SUMMARY

GENERAL INFORMATION

INTRODUCTION

AXON' OFFERS AN EXTENDED RANGE OF EQUIPMENT WIRES FOR USE BETWEEN –90°C AND 260°C INSULATED WITH THE FOLLOWING MATERIALS :

PTFE
- **Polytetrafluorethylene**
  with SPC conductor : -90°C to +200°C
  with NPC conductor : -90°C to +260°C.

FEP
- **Fluorethylenepropylene**
  -90°C to +200°C.

ETFE
- **Ethylenetetrafluorethylene**
  -90°C to 155°C.

Polyimide+FEP
- **Polyimide (+FEP coating for heat sealing and FEP or PTFE lacquer for colouration)**
  -90°C to +200°C.

Polyimide+PTFE
- **Polyimide + PTFE tape**
  -90°C to +200°C.

This catalogue consists of data sheets detailing the dimensional, electrical and mechanical features of all standard single wires. Shielded and / or multicore cables can also be proposed.
AXON' also offers other conductors/ insulation configurations like i.e. extra flexible wires with TPC conductor and FEP jacket. Do not hesitate to send us your requirements. We will be happy to help.

APPLICATIONS

Equipment wires are used in many different areas :
• aeronautics • automotive • space • telecommunications • computers • electronics •
• military equipment • general industry • railways • medical, ...

QUALITY ASSURANCE

AXON' obtained ISO 9001 certification in 1996 through AFAQ (Association Française pour l'Assurance Qualité) who are an EQ-NET member. In addition, the company is TS 16949 and EN 9100 certified.
AXON's products meet or exceed several international standards :
ESA, UL, CSA, NF, NEMA, and a number of products are listed on QPL.
All products are carefully inspected during production and before dispatch.
A certificate of conformity can be provided on request.

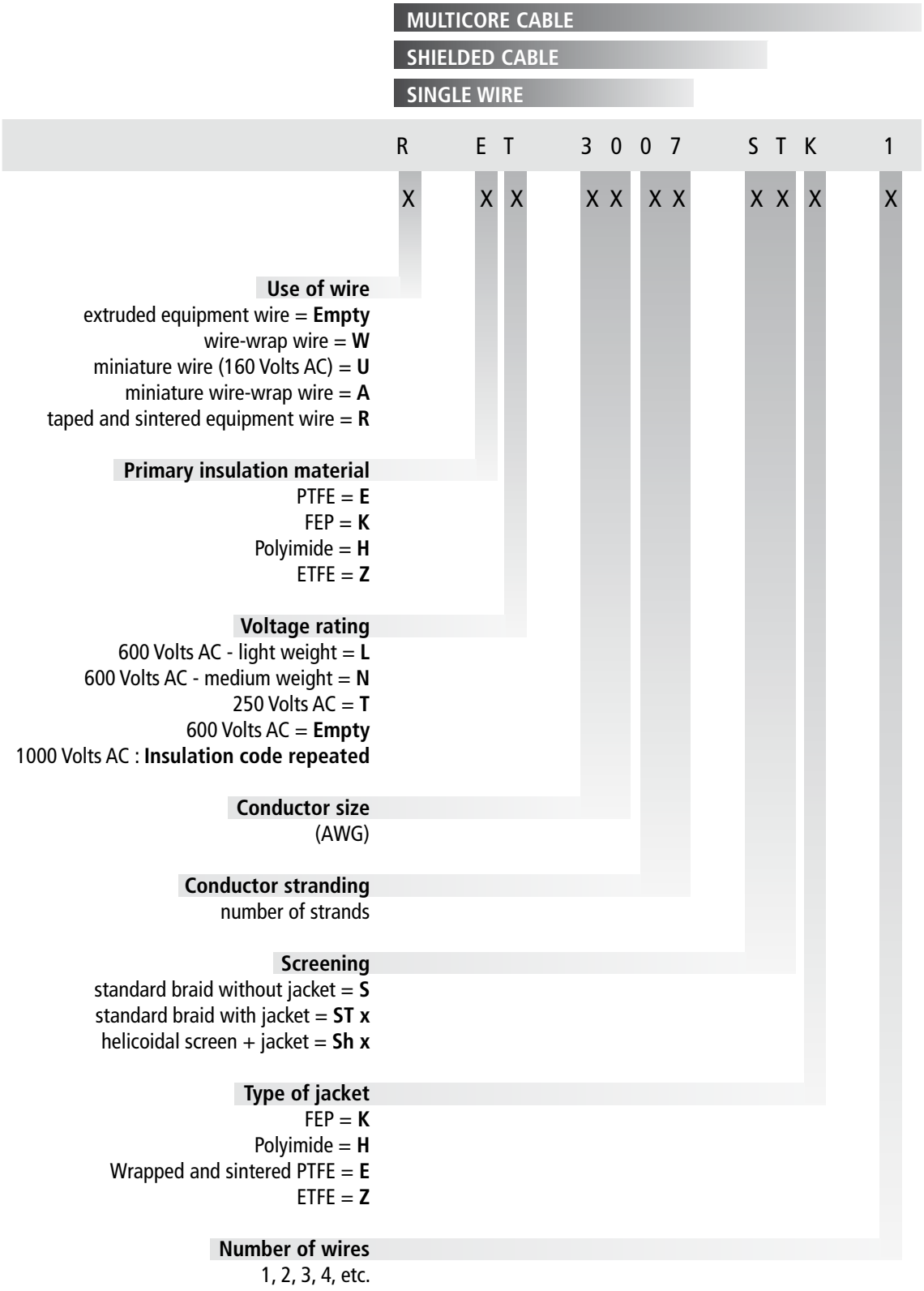
To conform to environmental and safety requirements AXON' has also obtained ISO 14001 and OHSAS 18001 certifications.

Several national and international bodies regularly re-assess AXON's Quality Assurance organisation.

NOTE : AXON' may choose different standards for their products in accordance with market evolution.

FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

AXON' REFERENCE IDENTIFICATION CODE



FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

COLOUR CODE

PRIMARY WIRES OR STRIPES COLOURS ARE CODED ACCORDING TO THE TABLE BELOW

CODE	NATURAL	BLACK	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GREY	WHITE
FRENCH	A	B	C	D	E	F	G	H	J	K	L
INTER-NATIONAL		0	1	2	3	4	5	6	7	8	9

FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

STANDARD MULTICORES

Standard multicores (unshielded, non-jacketed twisted pairs, triples and quads) are part of the production range. Their references are built by placing 2x, 3x or 4x in front of the reference of the primary wire.

For example : 2 x E 3201 = a twisted pair composed of 2 PTFE insulated single wires gauge 3201.

STANDARD MULTICORES	AXON' REFERENCE	BUNDLE OUTER DIAMETER
Twisted pairs	2 x (single wire reference)	2 x (single wire outer ø)
Twisted triples	3 x (single wire reference)	2.15 x (single wire outer ø)
Twisted quads	4 x (single wire reference)	2.41 x (single wire outer ø)

The general features of the standard multicores, other than the outer diameter of the bundle, are easily calculated using the single wire technical sheets.

FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

ALL TECHNICAL DATA IS GIVEN FOR INFORMATION ONLY
AND MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

NF APPROVED PRODUCTS

SPECIFICATIONS	APPROVED REFERENCE	AXON' REFERENCE	PAGES
NF-C-93522	KW 02-30 B1	WZT 3001	99
	KW 02-28 B1	WZT 2801	99
	KW 02-26 B1	WZT 2601	99
	KW 02-24 B1	WZ 2401	99
NF-C-93522	KW 03-30 A2	WET 3001 - WKT 3001	97-98
	KW 03-28 A2	WET 2801 - WKT 2801	97-98
	KW 03-26 A2	WET 2601 - WKT 2601	97-98
	KW 03-24 A2	WE 2401 - WK 2401	97-98
NF-C-93522	KW 07-30 B1	WZT 3001	99
NF-C-93523/4	KZ 04-01	(R) ET 3207	2 - 21
	KZ 04-02	(R) ET 3007	2 - 21
	KZ 04-03	(R) ET 2807	2 - 21
	KZ 04-04	(R) ET 2607	2 - 21
	KZ 04-05	(R) ET 2407	2 - 21
	KZ 04-06	(R) ET 2207	2 - 21
	KZ 04-07	(R) ET 2019	2 - 21
NF-C-93523/5	KZ 05-01	(R) E 3207	3 - 22
	KZ 05-02	(R) E 3007	3 - 22
	KZ 05-03	(R) E 2807	3 - 22
	KZ 05-04	(R) E 2607	3 - 22
	KZ 05-05	(R) E 2407	3 - 22
	KZ 05-06	(R) E 2207	3 - 22
	KZ 05-07	(R) E 2019	3 - 22
	KZ 05-08	(R) E 1819	3 - 22
	KZ 05-09	(R) E 1619	3 - 22
	KZ 05-10	RE 1427	22
	KZ 05-11	RE 1245	22
NF-C-93523/6	KZ 06-01	(R) EE 3207	4 - 23
	KZ 06-02	(R) EE 3007	4 - 23
	KZ 06-03	(R) EE 2807	4 - 23
	KZ 06-04	(R) EE 2607	4 - 23
	KZ 06-05	(R) EE 2407	4 - 23
	KZ 06-06	(R) EE 2207	4 - 23
	KZ 06-07	(R) EE 2019	4 - 23
	KZ 06-08	(R) EE 1819	4 - 23
	KZ 06-09	(R) EE 1619	4 - 23
	KZ 06-10	REE 1427	23
	KZ 06-11	REE 1245	23
NF-C-93523/7	KZ 07-01	ET 3207 NPC	5
	KZ 07-02	ET 3007 NPC	5
	KZ 07-03	ET 2807 NPC	5
	KZ 07-04	ET 2607 NPC	5
	KZ 07-05	ET 2407 NPC	5
	KZ 07-06	ET 2207 NPC	5
	KZ 07-07	ET 2019 NPC	5

NF APPROVED PRODUCTS

SPECIFICATIONS	APPROVED REFERENCE	AXON' REFERENCE	PAGES
NF-C-93523/8	KZ 08-01	E 3207 NPC	6
	KZ 08-02	E 3007 NPC	6
	KZ 08-03	E 2807 NPC	6
	KZ 08-04	E 2607 NPC	6
	KZ 08-05	E 2407 NPC	6
	KZ 08-06	E 2207 NPC	6
	KZ 08-07	E 2019 NPC	6
	KZ 08-08	E 1819 NPC	6
	KZ 08-09	E 1619 NPC	6
NF-C-93523/9	KZ 09-01	EE 3207 NPC	7
	KZ 09-02	EE 3007 NPC	7
	KZ 09-03	EE 2807 NPC	7
	KZ 09-04	EE 2607 NPC	7
	KZ 09-05	EE 2407 NPC	7
	KZ 09-06	EE 2207 NPC	7
	KZ 09-07	EE 2019 NPC	7
	KZ 09-08	EE 1819 NPC	7
	KZ 09-09	EE 1619 NPC	7
NF-C-93523	KZ 55-04	ET 2607 H STK 1	47
	KZ 55-05	ET 2407 H STK 1	47
	KZ 55-06	ET 2207 H STK 1	47
	KZ 55-07	ET 2019 H STK 1	47
NF-C-93523	KZ 57-01	E 3207 STK 1	50
	KZ 57-02	E 3007 STK 1	50
	KZ 57-03	E 2807 STK 1	50
	KZ 57-04	E 2607 STK 1	50
	KZ 57-05	E 2407 STK 1	50
	KZ 57-06	E 2207 STK 1	50
	KZ 57-07	E 2019 STK 1	50
	KZ 57-08	E 1819 STK 1	50
	KZ 57-09	E 1619 STK 1	50
	KZ 57-10	RE 1427 STK 1	50
	KZ 57-11	RE 1245 STK 1	50
NF-C-93523	KZ 59-01	EE 3207 STK 1	53
	KZ 59-02	EE 3007 STK 1	53
	KZ 59-03	EE 2807 STK 1	53
	KZ 59-04	EE 2607 STK 1	53
	KZ 59-05	EE 2407 STK 1	53
	KZ 59-06	EE 2207 STK 1	53
	KZ 59-07	EE 2019 STK 1	53
	KZ 59-08	EE 1819 STK 1	53
	KZ 59-09	EE 1619 STK 1	53
	KZ 59-10	REE 1427 STK 1	53
	KZ 59-11	REE 1245 STK 1	53
NF-C-93523	KZ 67-01	ET 3207 H STK 2	48
	KZ 67-02	ET 3007 H STK 2	48
	KZ 67-03	ET 2807 H STK 2	48
	KZ 67-04	ET 2607 H STK 2	48
	KZ 67-05	ET 2407 H STK 2	48
	KZ 67-06	ET 2207 H STK 2	48
	KZ 67-07	ET 2019 H STK 2	48

NF APPROVED PRODUCTS

SPECIFICATIONS	APPROVED REFERENCE	AXON' REFERENCE	PAGES
NF-C-93523	KZ 69-01	E 3207 STK 2	51
	KZ 69-02	E 3007 STK 2	51
	KZ 69-03	E 2807 STK 2	51
	KZ 69-04	E 2607 STK 2	51
	KZ 69-05	E 2407 STK 2	51
	KZ 69-06	E 2207 STK 2	51
	KZ 69-07	E 2019 STK 2	51
	KZ 69-08	E 1819 STK 2	51
	KZ 69-09	E 1619 STK 2	51
	KZ 69-10	RE 1427 STK 2	51
	KZ 69-11	RE 1245 STK 2	51
NF-C-93523	KZ 71-01	EE 3207 STK 2	54
	KZ 71-02	EE 3007 STK 2	54
	KZ 71-03	EE 2807 STK 2	54
	KZ 71-04	EE 2607 STK 2	54
	KZ 71-05	EE 2407 STK 2	54
	KZ 71-06	EE 2207 STK 2	54
	KZ 71-07	EE 2019 STK 2	54
	KZ 71-08	EE 1819 STK 2	54
	KZ 71-09	EE 1619 STK 2	54
	KZ 71-10	REE 1427 STK 2	54
	KZ 71-11	REE 1245 STK 2	54
NF-C-93523	KZ 79-01	ET 3207 H STK 3	49
	KZ 79-02	ET 3007 H STK 3	49
	KZ 79-03	ET 2807 H STK 3	49
	KZ 79-04	ET 2607 H STK 3	49
	KZ 79-05	ET 2407 H STK 3	49
	KZ 79-06	ET 2207 H STK 3	49
	KZ 79-07	ET 2019 H STK 3	49
NF-C-93523	KZ 81-01	E 3207 STK 3	52
	KZ 81-02	E 3007 STK 3	52
	KZ 81-03	E 2807 STK 3	52
	KZ 81-04	E 2607 STK 3	52
	KZ 81-05	E 2407 STK 3	52
	KZ 81-06	E 2207 STK 3	52
	KZ 81-07	E 2019 STK 3	52
	KZ 81-08	E 1819 STK 3	52
	KZ 81-09	E 1619 STK 3	52
	KZ 81-10	RE 1427 STK 3	52
	KZ 81-11	RE 1245 STK 3	52
NF-C-93523	KZ 83-01	EE 3207 STK 3	55
	KZ 83-02	EE 3007 STK 3	55
	KZ 83-03	EE 2807 STK 3	55
	KZ 83-04	EE 2607 STK 3	55
	KZ 83-05	EE 2407 STK 3	55
	KZ 83-06	EE 2207 STK 3	55
	KZ 83-07	EE 2019 STK 3	55
	KZ 83-08	EE 1819 STK 3	55
	KZ 83-09	EE 1619 STK 3	55
	KZ 83-10	REE 1427 STK 3	55
	KZ 83-11	REE 1245 STK 3	55

NF APPROVED PRODUCTS

SPECIFICATIONS	APPROVED REFERENCE	AXON' REFERENCE	PAGES
NF-C-93524	KU 01-30	ZL 3007	17
	KU 01-28	ZL 2807	17
	KU 01-26	ZL 2619	17
	KU 01-24	ZL 2419	17
	KU 01-22	ZL 2219	17
	KU 01-20	ZN 2019	18
	KU 01-18	ZN 1819	18
	KU 01-16	ZN 1619	18
	KU 01-14	ZN 1437	18
	KU 01-12	ZN 1237	18
NF-C-93524	KU 02-30	KU 02-30	85
	KU 02-28	KU 02-28	85
	KU 02-26	KU 02-26	85
	KU 02-24	KU 02-24	85
	KU 02-22	KU 02-22	85
	KU 02-20	KU 02-20	85
	KU 02-18	KU 02-18	85
	KU 02-16	KU 02-16	85
	KU 02-14	KU 02-14	85
	KU 02-12	KU 02-12	85
NF-C-93524	KU 05-30	KU 05-30	86
	KU 05-28	KU 05-28	86
	KU 05-26	KU 05-26	86
	KU 05-24	KU 05-24	86
	KU 05-22	KU 05-22	86
	KU 05-20	KU 05-20	86
	KU 05-18	KU 05-18	86
	KU 05-16	KU 05-16	86
	KU 05-14	KU 05-14	86
	KU 05-12	KU 05-12	86
NF-C-93524	KU 06-30	KU 06-30	87
	KU 06-28	KU 06-28	87
	KU 06-26	KU 06-26	87
	KU 06-24	KU 06-24	87
	KU 06-22	KU 06-22	87
	KU 06-20	KU 06-20	87
	KU 06-18	KU 06-18	87
	KU 06-16	KU 06-16	87
	KU 06-14	KU 06-14	87
	KU 06-12	KU 06-12	87

NOTE

KZ - Although the temperature range of PTFE wires is -90°C/+260°C, the French standard limits it to -55°C/+260°C.

KU - Although the temperature range of ETFE wires is -90°C/+150°C, the French standard limits it to -55°C/+150°C.

FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

NEMA APPROVED PRODUCTS

SPECIFICATIONS	US REFERENCE	AXON' REFERENCE	PAGES
NEMA HP3 (ex MIL-W-16878/4)	HP3-EXDBA	E 3001 SCA	3
	HP3-EXBBA	E 3001 - WE 3001	3 - 97
	HP3-EXDBB	E 3007 SCA	3
	HP3-EXBBB	E 3007	3
	HP3-EXBCB	E 2807	3
	HP3-EXBDA	E 2601 - WE 2601	3 - 97
	HP3-EXBDB	E 2607	3
	HP3-EXBEA	E 2401 - WE 2401	3 - 97
	HP3-EXBEB	E 2407	3
NEMA HP3 (ex MIL-W-16878/5)	HP3-EEXBAB	EE 3207	4
	HP3-EEXBBA	EE 3001	4
	HP3-EEXBBB	EE 3007	4
	HP3-EEXBCA	EE 2801	4
	HP3-EEXBDA	EE 2601	4
	HP3-EEXBDB	EE 2607	4
	HP3-EEXBEA	EE 2401	4
	HP3-EEXBEB	EE 2407	4
NEMA HP3 (ex MIL-W-16878/6)	HP3-ETXDBA	ET 3001 SCA	2
	HP3-ETXBBA	ET 3001 - WET 3001	2 - 97
	HP3-ETXDBB	ET 3007 SCA	2
	HP3-ETXBBB	ET 3007	2
	HP3-ETXBCB	ET 2807	2
	HP3-ETXBDA	ET 2601 - WET 2601	2 - 97
	HP3-ETXDDB	ET 2607 SCA	2
	HP3-ETXBDB	ET 2607	2
	HP3-ETXBEA	ET 2401 - WET 2401	2 - 97
	HP3-ETXBEB	ET 2407	2
	HP3-ETXBFA	ET 2201	2
	HP3-ETXBFB	ET 2207	2
	HP3-ETXBGA	ET 2001	2
	HP3-ETXBGB	ET 2007	2
NEMA HP4 (ex MIL-W-16878/11)	HP4-KBAA	K 3201	15
	HP4-KBBA	K 3001 - WK 3001	15 - 98
	HP4-KBBB	K 3007	15
	HP4-KBCB	K 2807	15
	HP4-KBDA	K 2601 - WK 2601	15 - 98
	HP4-KBDB	K 2607	15
	HP4-KBEA	K 2401 - WK 2401	15 - 98
	HP4-KBEB	K 2407	15
NEMA HP4 (ex MIL-W-16878/12)	HP4-KKBAB	KK 3207	16
	HP4-KKBBA	KK 3001	16
	HP4-KKBBB	KK 3007	16
	HP4-KKBCA	KK 2801	16
	HP4-KKBCB	KK 2807	16
	HP4-KKBDA	KK 2601	16
	HP4-KKBDB	KK 2607	16
	HP4-KKBDE	KK 2619	16
	HP4-KKBEA	KK 2401	16
	HP4-KKBEB	KK 2407	16
	HP4-KKBEE	KK 2419	16

NEMA APPROVED PRODUCTS

SPECIFICATIONS	US REFERENCE	AXON' REFERENCE	PAGES
NEMA HP4 (ex MIL-W-16878/13)	HP4-KTBAA	KT 3201	14
	HP4-KTBBA	KT 3001 - WKT 3001	14 - 98
	HP4-KTBBB	KT 3007	14
	HP4-KTBCB	KT 2807	14
	HP4-KTBDA	KT 2601 - WKT 2601	14 - 98
	HP4-KTBDB	KT 2607	14
	HP4-KTBEA	KT 2401 - WKT 2401	14 - 98
	HP4-KTBEB	KT 2407	14
	HP4-KTBFA	KT 2201	14
	HP4-KTBFB	KT 2207	14
	HP4-KTBGA	KT 2001	14
	HP4-KTBGB	KT 2007	14
NEMA HP3 (ex MIL-W-16878/20)	HP3-ETWBBB	RET 3007	21
	HP3-ETWBCB	RET 2807	21
	HP3-ETWBDB	RET 2607	21
	HP3-ETWBEB	RET 2407	21
NEMA HP3 (ex MIL-W-16878/21)	HP3-EWBBB	RE 3007	22
	HP3-EWBCB	RE 2807	22
	HP3-EWBDB	RE 2607	22
	HP3-EWBEB	RE 2407	22
NEMA HP3 (ex MIL-W-16878/22)	HP3-EEWBAB	REE 3207	23
	HP3-EEWBBB	REE 3007	23
	HP3-EEWBCB	REE 2807	23
	HP3-EEWBDB	REE 2607	23
	HP3-EEWBDE	REE 2619	23
	HP3-EEWBEB	REE 2407	23
	HP3-EEWBEE	REE 2419	23
NEMA HP3 (ex MIL-W-16878/23)	HP3-ETXCBA	ET 3001 N	5
	HP3-ETXCBB	ET 3007 N	5
	HP3-ETXCCB	ET 2807 N	5
	HP3-ETXCDB	ET 2607 N	5
	HP3-ETXCEB	ET 2407 N	5
	HP3-ETXCFA	ET 2201 N	5
	HP3-ETXCFB	ET 2207 N	5
	HP3-ETXCGA	ET 2001 N	5
	HP3-ETXCGB	ET 2007 N	5

NEMA APPROVED PRODUCTS

SPECIFICATIONS	US REFERENCE	AXON' REFERENCE	PAGES
NEMA HP3 (ex MIL-W-16878/24)	HP3-ETWCBB	RET 3007 NPC	24
	HP3-ETWCCB	RET 2807 NPC	24
	HP3-ETWCDB	RET 2607 NPC	24
	HP3-ETWCEB	RET 2407 NPC	24
NEMA HP3 (ex MIL-W-16878/25)	HP3-EXCBB	E 3007 NPC	6
	HP3-EXCDB	E 2607 NPC	6
	HP3-EXCEB	E 2407 NPC	6
NEMA HP3 (ex MIL-W-16878/26)	HP3-EWCBB	RE 3007 NPC	25
	HP3-EWCCB	RE 2807 NPC	25
	HP3-EWCDB	RE 2607 NPC	25
	HP3-EWCEB	RE 2407 NPC	25
NEMA HP3 (ex MIL-W-16878/27)	HP3-EEXCAB	EE 3207 NPC	7
	HP3-EEXCBA	EE 3001 NPC	7
	HP3-EEXCBB	EE 3007 NPC	7
	HP3-EEXCCA	EE 2801 NPC	7
	HP3-EEXCDA	EE 2601 NPC	7
	HP3-EEXCDB	EE 2607 NPC	7
	HP3-EEXCEA	EE 2401 NPC	7
	HP3-EEXCEB	EE 2407 NPC	7
NEMA HP3 (ex MIL-W-16878/28)	HP3-EEWCAB	REE 3207 NPC	26
	HP3-EEWCBB	REE 3007 NPC	26
	HP3-EEWCCB	REE 2807 NPC	26
	HP3-EEWCDB	REE 2607 NPC	26
	HP3-EEWCDE	REE 2619 NPC	26
	HP3-EEWCEB	REE 2407 NPC	26
	HP3-EEWCEE	REE 2419 NPC	26

FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

EXTRUDED SINGLE WIRES

RELEASED 03/2010

ULTRA MINIATURE SINGLE WIRES

TYPE **UT xxxx** SPC or SPCA

-90°C / +200°C

PTFE

160 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298 ASTM-B-624

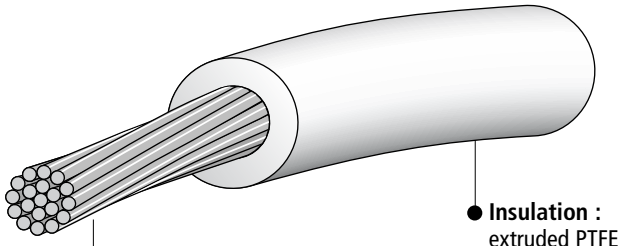
Insulation : ASTM-D-4895

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



Insulation :
extruded PTFE

Conductor :
electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Standard multicores
See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
UT 3601 SCA	36	1x0.127	0.127	0.013	155	0.28	0.25
UT 3607 SCA	36	7x0.050	0.150	0.014	150	0.33	0.30
UT 3401 SCA	34	1x0.160	0.160	0.020	98	0.32	0.30
UT 3407 SCA	34	7x0.063	0.189	0.022	95	0.37	0.40
UT 3201 SCA	32	1x0.203	0.203	0.033	61	0.37	0.50
UT 3207 SCA	32	7x0.079	0.237	0.034	62	0.43	0.55
UT 3219 SCA	32	19x0.050	0.250	0.037	55	0.43	0.60
UT 3001 SCA	30	1x0.254	0.254	0.051	40	0.43	0.70
UT 3007 SCA	30	7x0.102	0.303	0.057	36	0.50	0.85
UT 3019 SCA	30	19x0.063	0.315	0.060	35	0.50	0.90
UT 2801	28	1x0.320	0.320	0.081	21	0.50	1.00
UT 2807	28	7x0.127	0.381	0.088	20	0.57	1.15
UT 2819 SCA	28	19x0.079	0.395	0.092	23	0.56	1.15
UT 2601	26	1x0.403	0.403	0.13	13	0.62	1.60

SINGLE WIRES

TYPE ET xxxx SPC or SPCA

-90°C / +200°C

PTFE

250 Volts AC

SPECIFICATIONS

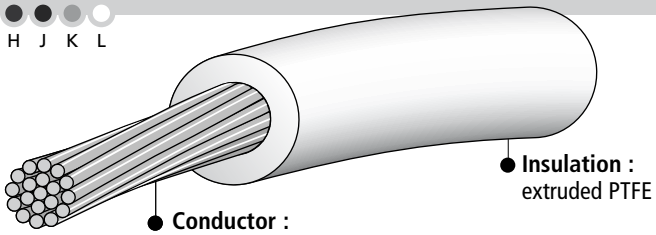
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-4895		
Insulated wire :	NF-C-93523/4	NEMA-HP3	

PRIMARY WIRE

Standard colours
See page III

B C D E F G H J K L

Other colours or helicoidal stripes upon request



Insulation : extruded PTFE

Conductor : electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
ET 3601 SCA			36	1x0.127	0.127	0.013	155	0.45	0.50
ET 3607 SCA			36	7x0.050	0.150	0.014	150	0.48	0.50
ET 3401 SCA			34	1x0.160	0.160	0.020	98	0.50	0.60
ET 3407 SCA			34	7x0.063	0.189	0.022	95	0.50	0.65
ET 3201 SCA			32	1x0.203	0.203	0.032	61	0.50	0.75
ET 3201			32	1x0.203	0.203	0.032	53	0.50	0.75
ET 3207 SCA			32	7x0.079	0.237	0.034	62	0.57	0.80
ET 3207	KZ 04-01		32	7x0.079	0.237	0.034	52	0.57	0.80
ET 3219 SCA			32	19x0.050	0.250	0.037	55	0.57	0.90
ET 3001 SCA		HP3-ETXDBA	30	1x0.254	0.254	0.051	40	0.56	0.90
ET 3001		HP3-ETXBBA	30	1x0.254	0.254	0.051	34	0.56	0.90
ET 3007 SCA		HP3-ETXDBB	30	7x0.102	0.304	0.057	36	0.62	1.10
ET 3007	KZ 04-02	HP3-ETXBBB	30	7x0.102	0.304	0.057	31	0.62	1.10
ET 3019 SCA			30	19x0.063	0.315	0.060	35	0.62	1.20
ET 2801			28	1x0.320	0.320	0.081	21	0.65	1.30
ET 2807	KZ 04-03	HP3-ETXBCB	28	7x0.127	0.381	0.088	20	0.70	1.50
ET 2819 SCA			28	19x0.079	0.395	0.092	23	0.70	1.75
ET 2819			28	19x0.079	0.395	0.093	19	0.70	1.75
ET 2601		HP3-ETXBDA	26	1x0.403	0.403	0.13	13	0.72	1.80
ET 2607 SCA		HP3-ETXDDB	26	7x0.160	0.480	0.14	15	0.80	2.40
ET 2607	KZ 04-04	HP3-ETXBDB	26	7x0.160	0.480	0.14	13	0.80	2.00
ET 2619 SCA			26	19x0.102	0.504	0.15	14	0.82	2.20
ET 2619			26	19x0.102	0.504	0.15	12	0.82	2.20
ET 2401		HP3-ETXBEA	24	1x0.510	0.510	0.20	8.5	0.83	2.60
ET 2407	KZ 04-05	HP3-ETXBEB	24	7x0.203	0.609	0.23	7.9	0.93	3.00
ET 2419			24	19x0.127	0.634	0.24	7.5	0.95	3.15
ET 2201		HP3-ETXBFA	22	1x0.644	0.644	0.32	5.3	0.95	3.90
ET 2207	KZ 04-06	HP3-ETXBFB	22	7x0.254	0.762	0.35	5.0	1.10	4.40
ET 2219			22	19x0.160	0.800	0.38	4.7	1.13	4.60
ET 2001		HP3-ETXBGA	20	1x0.812	0.812	0.52	3.3	1.13	5.80
ET 2007		HP3-ETXBGB	20	7x0.320	0.960	0.56	3.2	1.25	6.30
ET 2019	KZ 04-07		20	19x0.203	1.009	0.62	2.9	1.33	7.00

SINGLE WIRES

TYPE E xxxx SPC or SPCA

-90°C / +200°C

PTFE

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-4895		
Insulated wire :	NF-C-93523/5	NEMA-HP3	

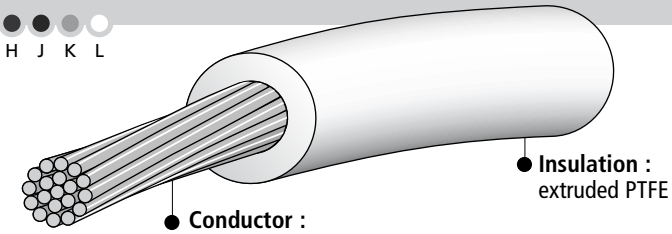
Standard colours
See page III

Other colours or helicoidal stripes upon request

Standard multicores
See page IV

PRIMARY WIRE

B C D E F G H J K L



● **Insulation :** extruded PTFE

● **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
E 3601 SCA				36	1x0.127	0.127	0.013	155	0.65	0.80
E 3607 SCA				36	7x0.050	0.150	0.014	150	0.65	0.85
E 3401 SCA				34	1x0.160	0.160	0.020	98	0.65	0.90
E 3407 SCA				34	7x0.063	0.189	0.022	95	0.70	1.00
E 3201 SCA				32	1x0.203	0.203	0.032	61	0.70	1.10
E 3201				32	1x0.203	0.203	0.032	53	0.70	1.10
E 3207	KZ 05-01			32	7x0.079	0.237	0.034	52	0.75	1.20
E 3219 SCA				32	19x0.050	0.250	0.037	55	0.75	1.55
E 3001 SCA		HP3-EXDBA		30	1x0.254	0.254	0.051	40	0.76	1.35
E 3001		HP3-EXBBA		30	1x0.254	0.254	0.051	34	0.76	1.35
E 3007 SCA		HP3-EXDBB		30	7x0.102	0.304	0.057	36	0.80	2.10
E 3007	KZ 05-02	HP3-EXBBB		30	7x0.102	0.304	0.057	31	0.80	1.50
E 3019 SCA				30	19x0.063	0.315	0.060	35	0.80	1.90
E 2801				28	1x0.320	0.320	0.081	21	0.82	2.00
E 2807	KZ 05-03	HP3-EXBCB		28	7x0.127	0.381	0.088	20	0.90	2.00
E 2819				28	19x0.079	0.395	0.093	19	0.90	2.50
E 2601		HP3-EXBDA		26	1x0.403	0.403	0.13	13	0.90	2.65
E 2607	KZ 05-04	HP3-EXBDB		26	7x0.160	0.480	0.14	13	1.00	2.70
E 2619 SCA				26	19x0.102	0.504	0.15	14	1.00	3.00
E 2619				26	19x0.102	0.504	0.15	12	1.00	3.00
E 2401		HP3-EXBEA		24	1x0.510	0.510	0.20	8.5	1.05	3.30
E 2407	KZ 05-05	HP3-EXBEB		24	7x0.203	0.609	0.23	7.9	1.10	3.60
E 2419				24	19x0.127	0.634	0.24	7.5	1.15	4.10
E 2201			HP3-EXBFA	22	1x0.644	0.644	0.32	5.3	1.15	4.90
E 2207	KZ 05-06		HP3-EXBFB	22	7x0.254	0.762	0.35	5.0	1.25	5.00
E 2219				22	19x0.160	0.800	0.38	4.7	1.30	5.70
E 2001			HP3-EXBGA	20	1x0.812	0.812	0.52	3.3	1.30	6.40
E 2007			HP3-EXBGB	20	7x0.320	0.960	0.56	3.2	1.45	7.70
E 2019	KZ 05-07			20	19x0.203	1.009	0.62	2.9	1.50	7.90
E 1819	KZ 05-08			18	19x0.254	1.269	0.96	1.9	1.75	11.5
E 1619	KZ 05-09			16	19x0.300	1.500	1.34	1.3	2.10	16.3
E 1419				14	19x0.360	1.803	1.94	0.92	2.35	21.8
E 1219				12	19x0.455	2.273	3.10	0.58	2.85	33.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE EE xxxx SPC or SPCA

-90°C / +200°C

PTFE

1000 Volts AC

SPECIFICATIONS

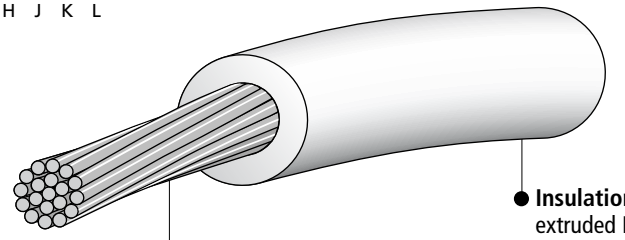
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-4895		
Insulated wire :	NF-C-93523/6	NEMA-HP3	

PRIMARY WIRE

Standard colours
See page III

B C D E F G H J K L

Other colours or helicoidal stripes upon request



● **Insulation :**
extruded PTFE

● **Conductor :**
electrolytic silver plated annealed copper
or high strength silver plated copper alloy (SCA).

Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
EE 3201				32	1x0.203	0.203	0.032	53	1.00	1.80
EE 3207	KZ 06-01	HP3-EEXBAB		32	7x0.079	0.237	0.034	52	1.00	2.00
EE 3219 SCA				32	19x0.050	0.250	0.037	55	1.00	1.95
EE 3001		HP3-EEXBBA		30	1x0.254	0.254	0.051	34	1.00	2.05
EE 3007	KZ 06-02	HP3-EEXBBB		30	7x0.102	0.304	0.057	31	1.05	2.30
EE 3019 SCA				30	19x0.063	0.315	0.060	35	1.05	2.35
EE 2801		HP3-EEXBCA		28	1x0.320	0.320	0.081	21	1.10	2.50
EE 2807	KZ 06-03			28	7x0.127	0.381	0.088	20	1.10	2.70
EE 2819				28	19x0.079	0.395	0.093	19	1.10	2.85
EE 2601		HP3-EEXBDA		26	1x0.403	0.403	0.13	13	1.15	3.15
EE 2607	KZ 06-04	HP3-EEXBDB		26	7x0.160	0.480	0.14	13	1.25	3.60
EE 2619				26	19x0.102	0.504	0.15	12	1.25	3.70
EE 2401		HP3-EEXBEA		24	1x0.510	0.510	0.20	8.5	1.25	4.15
EE 2407	KZ 06-05	HP3-EEXBEB		24	7x0.203	0.609	0.23	7.9	1.35	4.60
EE 2419				24	19x0.127	0.634	0.24	7.5	1.35	4.85
EE 2201			HP3-EEXBFA	22	1x0.644	0.644	0.32	5.3	1.40	5.50
EE 2207	KZ 06-06		HP3-EEXBFB	22	7x0.254	0.762	0.35	5.0	1.50	6.20
EE 2219				22	19x0.160	0.800	0.38	4.7	1.50	6.55
EE 2001			HP3-EEXBGA	20	1x0.812	0.812	0.52	3.3	1.60	7.60
EE 2007			HP3-EEXBGB	20	7x0.320	0.960	0.56	3.2	1.70	8.60
EE 2019	KZ 06-07			20	19x0.203	1.009	0.62	2.9	1.75	9.30
EE 1819	KZ 06-08			18	19x0.254	1.269	0.96	1.9	2.00	13.1
EE 1619	KZ 06-09			16	19x0.300	1.500	1.34	1.3	2.25	17.4
EE 1419				14	19x0.360	1.803	1.94	0.92	2.60	24.6
EE 1219				12	19x0.455	2.273	3.10	0.58	3.10	36.8

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

TYPE ET xxxx NPC

-90°C / +260°C

PTFE
250 Volts AC

SPECIFICATIONS

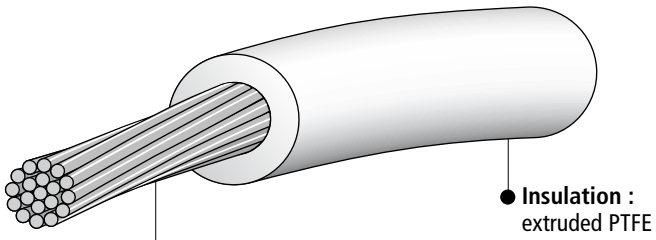
Conductor :	ASTM-B-224	ASTM-B-355
Insulation :	ASTM-D-4895	
Insulated wire :	NF-C-93523/7	NEMA-HP3

PRIMARY WIRE

Standard colours
See page III

B C D E F G H J K L

Other colours or helicoidal stripes upon request



Insulation :
extruded PTFE

Conductor :
electrolytic nickel plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
ET 3201 NPC			32	1x0.203	0.203	0.032	57	0.50	0.75
ET 3207 NPC	KZ 07-01		32	7x0.079	0.237	0.034	57	0.57	0.80
ET 3001 NPC		HP3-ETXCBA	30	1x0.254	0.254	0.051	36	0.56	0.90
ET 3007 NPC	KZ 07-02	HP3-ETXCBB	30	7x0.102	0.304	0.057	34	0.62	1.10
ET 2807 NPC	KZ 07-03	HP3-ETXCCB	28	7x0.127	0.381	0.088	21	0.70	1.50
ET 2819 NPC			28	19x0.079	0.395	0.093	21	0.70	1.75
ET 2607 NPC	KZ 07-04	HP3-ETXCDB	26	7x0.160	0.480	0.14	13	0.80	2.00
ET 2619 NPC			26	19x0.102	0.504	0.15	13	0.82	2.20
ET 2407 NPC	KZ 07-05	HP3-ETXCEB	24	7x0.203	0.609	0.23	8.4	0.93	3.00
ET 2419 NPC			24	19x0.127	0.634	0.24	8.0	0.95	3.15
ET 2201 NPC		HP3-ETXCFA	22	1x0.644	0.644	0.32	5.6	0.95	3.90
ET 2207 NPC	KZ 07-06	HP3-ETXCFB	22	7x0.254	0.762	0.35	5.3	1.10	4.40
ET 2219 NPC			22	19x0.160	0.800	0.38	5.0	1.13	4.60
ET 2001 NPC		HP3-ETXCGA	20	1x0.812	0.812	0.52	3.5	1.13	5.80
ET 2007 NPC		HP3-ETXCGB	20	7x0.320	0.960	0.56	3.3	1.25	6.30
ET 2019 NPC	KZ 07-07		20	19x0.203	1.009	0.62	3.1	1.33	7.00

SINGLE WIRES

TYPE E xxxx NPC

-90°C / +260°C

PTFE

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-355
Insulation :	ASTM-D-4895	
Insulated wire :	NF-C-93523/8	NEMA-HP3

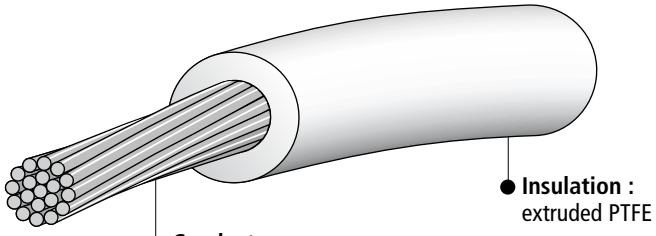
Standard colours
See page III

Other colours or helicoidal stripes upon request

Standard multicores
See page IV

PRIMARY WIRE

B C D E F G H J K L



Insulation :
extruded PTFE

Conductor :
electrolytic nickel plated annealed copper

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
E 3201 NPC				32	1x0.203	0.203	0.032	57	0.70	1.10
E 3207 NPC	KZ 08-01			32	7x0.079	0.237	0.034	57	0.75	1.20
E 3007 NPC	KZ 08-02	HP3-EXCBB		30	7x0.102	0.304	0.057	34	0.80	1.50
E 2801 NPC				28	1x0.320	0.320	0.081	22	0.82	2.00
E 2807 NPC	KZ 08-03			28	7x0.127	0.381	0.088	21	0.90	2.00
E 2819 NPC				28	19x0.079	0.395	0.093	21	0.90	2.50
E 2607 NPC	KZ 08-04	HP3-EXCDB		26	7x0.160	0.480	0.14	13	1.00	2.70
E 2619 NPC				26	19x0.102	0.504	0.15	13	1.00	3.00
E 2407 NPC	KZ 08-05	HP3-EXCEB		24	7x0.203	0.609	0.23	8.4	1.10	3.60
E 2419 NPC				24	19x0.127	0.634	0.24	8.0	1.15	4.10
E 2207 NPC	KZ 08-06		HP3-EXCFB	22	7x0.254	0.762	0.35	5.3	1.25	5.00
E 2219 NPC				22	19x0.160	0.800	0.38	5.0	1.30	5.70
E 2001 NPC			HP3-EXCGA	20	1x0.812	0.812	0.52	3.5	1.30	6.40
E 2007 NPC			HP3-EXCGB	20	7x0.320	0.960	0.56	3.3	1.45	7.70
E 2019 NPC	KZ 08-07			20	19x0.203	1.009	0.62	3.1	1.50	7.90
E 1819 NPC	KZ 08-08			18	19x0.254	1.269	0.96	2.0	1.75	11.5
E 1619 NPC	KZ 08-09			16	19x0.300	1.500	1.34	1.4	2.10	16.3
E 1419 NPC				14	19x0.360	1.803	1.94	0.96	2.35	21.8
E 1219 NPC				12	19x0.455	2.273	3.10	0.60	2.85	33.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE EE xxxx NPC

-90°C / +260°C

PTFE

1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-355
Insulation :	ASTM-D-4895	
Insulated wire :	NF-C-93523/9	NEMA-HP3

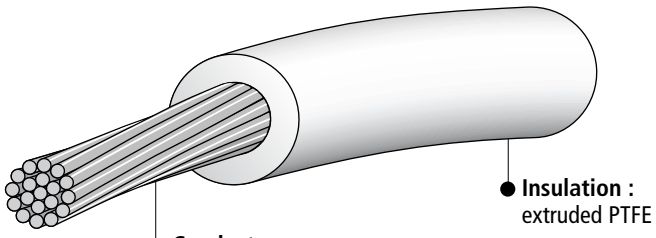
Standard colours
See page III

Other colours or helicoidal stripes upon request

Standard multicores
See page IV

PRIMARY WIRE

B C D E F G H J K L



AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
EE 3201 NPC				32	1x0.203	0.203	0.032	57	1.00	1.80
EE 3207 NPC	KZ 09-01	HP3-EEXCAB		32	7x0.079	0.237	0.034	57	1.00	2.00
EE 3001 NPC		HP3-EEXCBA		30	1x0.254	0.254	0.051	36	1.00	2.05
EE 3007 NPC	KZ 09-02	HP3-EEXCBB		30	7x0.102	0.304	0.057	34	1.05	2.30
EE 2801 NPC		HP3-EEXCCA		28	1x0.320	0.320	0.081	22	1.10	2.50
EE 2807 NPC	KZ 09-03			28	7x0.127	0.381	0.088	21	1.10	2.70
EE 2819 NPC				28	19x0.079	0.395	0.093	21	1.10	2.85
EE 2601 NPC		HP3-EEXCDA		26	1x0.403	0.403	0.13	14	1.15	3.15
EE 2607 NPC	KZ 09-04	HP3-EEXCDB		26	7x0.160	0.480	0.14	13	1.25	3.60
EE 2619 NPC				26	19x0.102	0.504	0.15	13	1.25	3.70
EE 2401 NPC		HP3-EEXCEA		24	1x0.510	0.510	0.20	8.8	1.25	4.15
EE 2407 NPC	KZ 09-05	HP3-EEXCEB		24	7x0.203	0.609	0.23	8.4	1.35	4.60
EE 2419 NPC				24	19x0.127	0.634	0.24	8.0	1.35	4.85
EE 2201 NPC			HP3-EEXCFA	22	1x0.644	0.644	0.32	5.6	1.40	5.50
EE 2207 NPC	KZ 09-06		HP3-EEXCFB	22	7x0.254	0.762	0.35	5.3	1.50	6.20
EE 2219 NPC				22	19x0.160	0.800	0.38	5.0	1.50	6.55
EE 2001 NPC			HP3-EEXCGA	20	1x0.812	0.812	0.52	3.5	1.60	7.60
EE 2007 NPC			HP3-EEXCGB	20	7x0.320	0.960	0.56	3.3	1.70	8.60
EE 2019 NPC	KZ 09-07			20	19x0.203	1.009	0.62	3.1	1.75	9.30
EE 1819 NPC	KZ 09-08			18	19x0.254	1.269	0.96	2.0	2.00	13.1
EE 1619 NPC	KZ 09-09			16	19x0.300	1.500	1.34	1.4	2.25	17.4
EE 1419 NPC				14	19x0.360	1.803	1.94	0.96	2.60	24.6
EE 1219 NPC				12	19x0.455	2.273	3.10	0.60	3.10	36.8

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES
TYPE SAE-AS22759/11

-65°C / +200°C

PTFE
600 Volts AC

SPECIFICATIONS

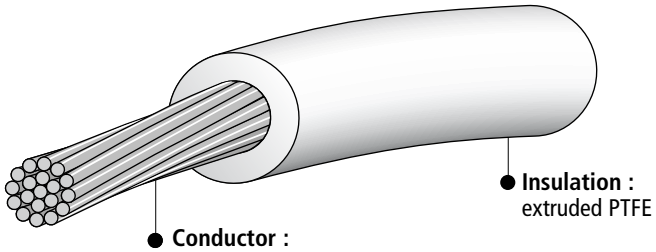
Conductor : ASTM-B-224 ASTM-B-298
Insulation : ASTM-D-4895
Insulated wire : SAE-AS22759

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
extruded PTFE

Conductor :
stranded silver plated copper

Standard multicores
See page IV

AXON' REFERENCE	SAE REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
E759/11-28 SPC	M22759/11-28	28	7x0.127	0.38	0.088	20.00	0.84	1.80
E759/11-26 SPC	M22759/11-26	26	19x0.102	0.51	0.154	11.45	0.97	2.70
E759/11-24 SPC	M22759/11-24	24	19x0.127	0.635	0.24	7.40	1.10	3.70
E759/11-22 SPC	M22759/11-22	22	19x0.160	0.80	0.38	4.70	1.25	5.20
E759/11-20 SPC	M22759/11-20	20	19x0.203	1.01	0.61	2.90	1.47	7.70
E759/11-18 SPC	M22759/11-18	18	19x0.254	1.27	0.96	1.80	1.73	11.40
E759/11-16 SPC	M22759/11-16	16	19x0.287	1.42	1.23	1.40	1.90	14.20
E759/11-14 SPC	M22759/11-14	14	19x0.360	1.80	1.93	0.90	2.29	21.50
E759/11-12 SPC	M22759/11-12	12	19x0.455	2.25	3.09	0.58	2.82	33.70
E759/11-10 SPC	M22759/11-10	10	37x0.403	2.80	4.72	0.38	3.53	52.50
E759/11-8 SPC	M22759/11-8	8	133x0.287	4.09	8.60	0.20	5.15	96.00

SINGLE WIRES

TYPE SAE-AS22759/12

-65°C / +200°C

PTFE

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-355
Insulation :	ASTM-D-4895	
Insulated wire :	SAE-AS22759	

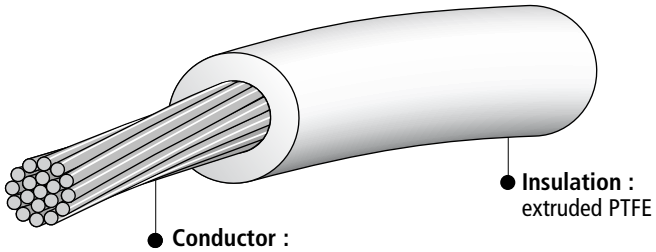
Standard colours

See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
extruded PTFE

Conductor :
stranded nickel plated copper

Standard multicores

See page IV

AXON' REFERENCE	SAE REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
E759/12-28 NPC	M22759/12-28	28	7x0.127	0.38	0.088	21.30	0.84	1.80
E759/12-26 NPC	M22759/12-26	26	19x0.102	0.51	0.154	12.20	0.97	2.70
E759/12-24 NPC	M22759/12-24	24	19x0.127	0.635	0.24	7.90	1.10	3.70
E759/12-22 NPC	M22759/12-22	22	19x0.160	0.80	0.38	5.00	1.25	5.20
E759/12-20 NPC	M22759/12-20	20	19x0.203	1.01	0.61	3.10	1.47	7.70
E759/12-18 NPC	M22759/12-18	18	19x0.254	1.27	0.96	1.90	1.73	11.40
E759/12-16 NPC	M22759/12-16	16	19x0.287	1.42	1.23	1.50	1.90	14.20
E759/12-14 NPC	M22759/12-14	14	19x0.360	1.80	1.93	0.95	2.29	21.50
E759/12-12 NPC	M22759/12-12	12	19x0.455	2.25	3.09	0.60	2.82	33.70
E759/12-10 NPC	M22759/12-10	10	37x0.403	2.80	4.72	0.39	3.53	52.50
E759/12-8 NPC	M22759/12-8	8	133x0.287	4.09	8.60	0.21	5.15	96.00

TYPE SAE-AS22759/22

-65°C / +200°C

PTFE
600 Volts AC

SPECIFICATIONS

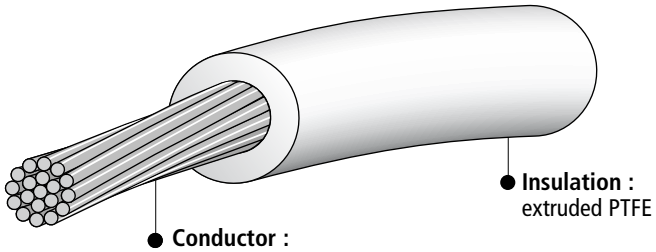
Conductor :	ASTM-B-624	ASTM-B-298
Insulation :	ASTM-D-4895	
Insulated wire :	SAE-AS22759	

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
extruded PTFE

Conductor :
stranded silver plated high strength copper alloy

Standard multicores
See page IV

AXON' REFERENCE	SAE REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
E759/22-28 SCA	M22759/22-28	28	7x0.127	0.38	0.088	22.30	0.84	1.80
E759/22-26 SCA	M22759/22-26	26	19x0.102	0.48	0.154	12.80	0.97	2.70
E759/22-24 SCA	M22759/22-24	24	19x0.127	0.60	0.24	8.30	1.10	3.70
E759/22-22 SCA	M22759/22-22	22	19x0.160	0.76	0.38	5.30	1.25	5.20
E759/22-20 SCA	M22759/20-20	20	19x0.203	0.97	0.61	3.30	1.47	7.70

TYPE SAE-AS22759/23

-65°C / +260°C

PTFE
600 Volts AC

SPECIFICATIONS

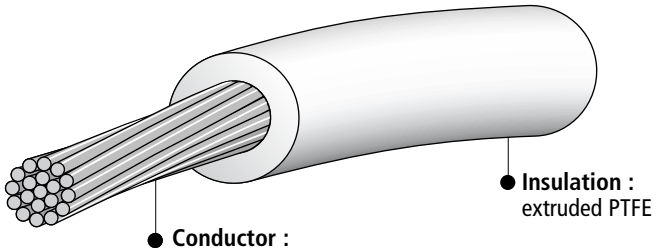
Conductor :	ASTM-B-624	ASTM-B-355
Insulation :	ASTM-D-4895	
Insulated wire :	SAE-AS22759	

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
extruded PTFE

Conductor :
stranded nickel plated high strength copper alloy

Standard multicores
See page IV

AXON' REFERENCE	SAE REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
E759/23-28 NCA	M22759/23-28	28	7x0.127	0.38	0.088	23.70	0.84	1.80
E759/23-26 NCA	M22759/23-26	26	19x0.102	0.48	0.154	13.60	0.97	2.70
E759/23-24 NCA	M22759/23-24	24	19x0.127	0.60	0.24	8.80	1.10	3.70
E759/23-22 NCA	M22759/23-22	22	19x0.160	0.76	0.38	5.60	1.25	5.20
E759/23-20 NCA	M22759/23-20	20	19x0.203	0.97	0.61	3.50	1.47	7.70

MINIATURE SINGLE WIRES

TYPE **UKT xxxx** SPC or SPCA

-90°C / +200°C

FEP

160 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298 ASTM-B-624

Insulation : ASTM-D-2116

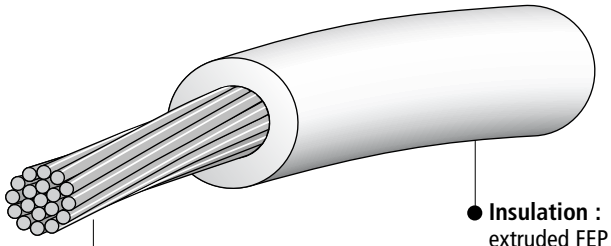
Standard colours

See page III

Other colours upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
extruded FEP

Conductor :
electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Standard multicores

See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
UKT 3601 SCA	36	1x0.127	0.127	0.013	155	0.28	0.25
UKT 3607 SCA	36	7x0.050	0.150	0.014	150	0.33	0.30
UKT 3401 SCA	34	1x0.160	0.160	0.020	98	0.32	0.30
UKT 3407 SCA	34	7x0.063	0.189	0.022	95	0.37	0.40
UKT 3201 SCA	32	1x0.203	0.203	0.033	61	0.37	0.50
UKT 3207 SCA	32	7x0.079	0.237	0.034	62	0.43	0.55
UKT 3219 SCA	32	19x0.050	0.250	0.037	55	0.43	0.60
UKT 3001 SCA	30	1x0.254	0.254	0.051	40	0.43	0.70
UKT 3007 SCA	30	7x0.102	0.303	0.057	36	0.50	0.85
UKT 3019 SCA	30	19x0.063	0.315	0.060	35	0.50	0.90
UKT 2801	28	1x0.320	0.320	0.081	21	0.50	1.00
UKT 2807	28	7x0.127	0.381	0.088	20	0.57	1.15
UKT 2601	26	1x0.403	0.403	0.13	13	0.62	1.60

SINGLE WIRES

TYPE **KT xxxx** SPC or SPCA

-90°C / +200°C

FEP

250 Volts AC

SPECIFICATIONS

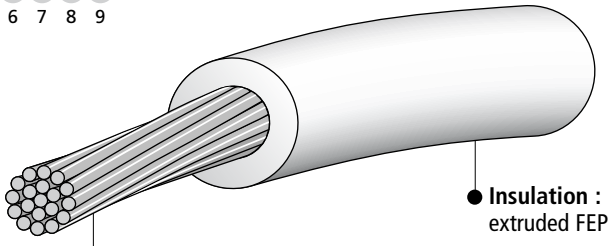
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		

PRIMARY WIRE

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

Other colours or helicoidal stripes upon request



Insulation :
extruded FEP

Conductor :
electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Standard multicores
See page IV

AXON' REFERENCE	NEMA REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
KT 3601 SCA		36	1x0.127	0.127	0.013	155	0.45	0.50
KT 3607 SCA		36	7x0.050	0.150	0.014	150	0.48	0.50
KT 3401 SCA		34	1x0.160	0.160	0.020	98	0.50	0.60
KT 3407 SCA		34	7x0.063	0.189	0.022	95	0.50	0.65
KT 3201	HP4-KTBAA	32	1x0.203	0.203	0.032	53	0.50	0.75
KT 3207		32	7x0.079	0.237	0.034	52	0.57	0.80
KT 3219 SCA		32	19x0.050	0.250	0.037	55	0.57	0.90
KT 3001	HP4-KTBBA	30	1x0.254	0.254	0.051	34	0.56	0.90
KT 3007	HP4-KTBBB	30	7x0.102	0.304	0.057	31	0.62	1.10
KT 3019 SCA		30	19x0.063	0.315	0.060	35	0.62	1.20
KT 2801		28	1x0.320	0.320	0.081	21	0.65	1.30
KT 2807	HP4-KTBCB	28	7x0.127	0.381	0.088	20	0.70	1.50
KT 2819		28	19x0.079	0.395	0.093	19	0.70	1.75
KT 2601	HP4-KTBDA	26	1x0.403	0.403	0.13	13	0.72	1.80
KT 2607	HP4-KTBDB	26	7x0.160	0.480	0.14	13	0.80	2.00
KT 2619		26	19x0.102	0.504	0.15	12	0.82	2.20
KT 2401	HP4-KTBEA	24	1x0.510	0.510	0.20	8.5	0.83	2.60
KT 2407	HP4-KTBEB	24	7x0.203	0.609	0.23	7.9	0.93	3.00
KT 2419		24	19x0.127	0.634	0.24	7.5	0.95	3.15
KT 2201	HP4-KTBFA	22	1x0.644	0.644	0.32	5.3	0.95	3.90
KT 2207	HP4-KTBFB	22	7x0.254	0.762	0.35	5.0	1.10	4.40
KT 2219		22	19x0.160	0.800	0.38	4.7	1.13	4.60
KT 2001	HP4-KTBGA	20	1x0.812	0.812	0.52	3.3	1.13	5.80
KT 2007	HP4-KTBGB	20	7x0.320	0.960	0.56	3.2	1.25	6.30
KT 2019		20	19x0.203	1.009	0.62	2.9	1.33	7.00

SINGLE WIRES

TYPE K xxxx SPC or SPCA

-90°C / +200°C

FEP

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		

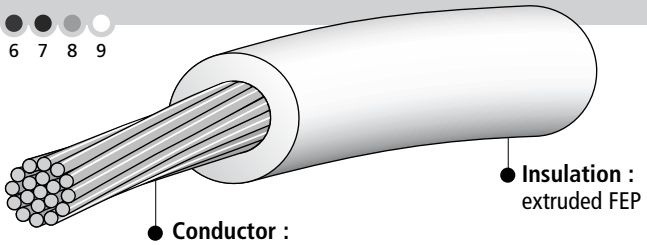
Standard colours
See page III

Other colours or helicoidal stripes upon request

Standard multicores
See page IV

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
extruded FEP

Conductor :
electrolytic silver plated annealed copper
or high strength silver plated copper alloy (SCA).

AXON' REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
K 3601 SCA			36	1x0.127	0.127	0.013	155	0.65	0.80
K 3607 SCA			36	7x0.050	0.150	0.014	150	0.65	0.85
K 3401 SCA			34	1x0.160	0.160	0.020	98	0.65	0.90
K 3407 SCA			34	7x0.063	0.189	0.022	95	0.70	1.00
K 3201	HP4-KBAA		32	1x0.203	0.203	0.032	53	0.70	1.10
K 3207			32	7x0.079	0.237	0.034	52	0.75	1.20
K 3219 SCA			32	19x0.050	0.250	0.037	55	0.75	1.55
K 3001	HP4-KBBA		30	1x0.254	0.254	0.051	34	0.76	1.35
K 3007	HP4-KBBB		30	7x0.102	0.304	0.057	31	0.81	1.50
K 3019 SCA			30	19x0.063	0.315	0.060	35	0.80	1.90
K 2801			28	1x0.320	0.320	0.081	21	0.82	2.00
K 2807	HP4-KBCB		28	7x0.127	0.381	0.088	20	0.90	2.00
K 2819			28	19x0.079	0.395	0.093	19	0.90	2.50
K 2601	HP4-KBDA		26	1x0.403	0.403	0.13	13	0.90	2.65
K 2607	HP4-KBDB		26	7x0.160	0.480	0.14	13	1.00	2.70
K 2619			26	19x0.102	0.504	0.15	12	1.00	3.00
K 2401	HP4-KBEA		24	1x0.510	0.510	0.20	8.5	1.05	3.30
K 2407	HP4-KBEB		24	7x0.203	0.609	0.23	7.9	1.10	3.60
K 2419			24	19x0.127	0.634	0.24	7.5	1.15	4.10
K 2201		HP4-KBFA	22	1x0.644	0.644	0.32	5.3	1.15	4.90
K 2207		HP4-KBFB	22	7x0.254	0.762	0.35	5.0	1.25	5.00
K 2219			22	19x0.160	0.800	0.38	4.7	1.30	5.70
K 2001		HP4-KBGA	20	1x0.812	0.812	0.52	3.3	1.30	6.40
K 2007			20	7x0.320	0.960	0.57	3.2	1.45	7.70
K 2019			20	19x0.203	1.009	0.62	2.9	1.50	7.90
K 1819			18	19x0.254	1.269	0.96	1.9	1.75	11.5
K 1619			16	19x0.300	1.500	1.34	1.3	2.10	16.3
K 1427			14	27x0.300	1.800	1.91	0.95	2.45	27.0
K 1419			14	19x0.360	1.803	1.94	0.92	2.35	21.8
K 1245			12	45x0.300	2.450	3.18	0.58	3.05	34.0
K 1219			12	19x0.455	2.273	3.10	0.58	2.85	33.0
K 1037			10	37x0.405	2.800	4.74	0.39	3.35	51.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE **KK xxxx** SPC or SPCA

-90°C / +200°C

FEP

1000 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298 ASTM-B-624

Insulation : ASTM-D-2116

Insulated wire : NEMA-HP4

Standard colours

See page III

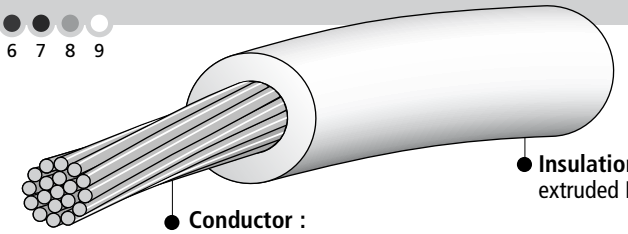
Other colours or helicoidal stripes upon request

Standard multicores

See page IV

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation : extruded FEP

Conductor : electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

AXON' REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
KK 3201			32	1x0.203	0.203	0.032	53	1.00	1.80
KK 3207	HP4-KKBAB		32	7x0.079	0.237	0.034	52	1.00	2.00
KK 3219 SCA			32	19x0.050	0.250	0.037	55	1.00	1.95
KK 3001	HP4-KKBBA		30	1x0.254	0.254	0.051	34	1.00	2.05
KK 3007	HP4-KKBBB		30	7x0.102	0.304	0.057	31	1.05	2.30
KK 3019 SCA			30	19x0.063	0.315	0.060	35	1.05	2.35
KK 2801	HP4-KKBCA		28	1x0.320	0.320	0.081	21	1.10	2.50
KK 2807	HP4-KKBCB		28	7x0.127	0.381	0.088	20	1.10	2.70
KK 2819			28	19x0.079	0.395	0.093	19	1.10	2.85
KK 2601	HP4-KKBDA		26	1x0.403	0.403	0.13	13	1.15	3.15
KK 2607	HP4-KKBDB		26	7x0.160	0.480	0.14	13	1.25	3.60
KK 2619	HP4-KKBDE		26	19x0.102	0.504	0.15	12	1.25	3.70
KK 2401	HP4-KKBEA		24	1x0.510	0.510	0.20	8.5	1.25	4.15
KK 2407	HP4-KKBEB		24	7x0.203	0.609	0.23	7.9	1.35	4.60
KK 2419	HP4-KKBEE		24	19x0.127	0.634	0.24	7.5	1.35	4.85
KK 2201		HP4-KKBFA	22	1x0.644	0.644	0.32	5.3	1.40	5.50
KK 2207		HP4-KKBFB	22	7x0.254	0.762	0.35	5.0	1.50	6.20
KK 2219		HP4-KKBFE	22	19x0.160	0.800	0.38	4.7	1.50	6.55
KK 2001		HP4-KKBGA	20	1x0.812	0.812	0.52	3.3	1.60	7.60
KK 2007		HP4-KKBGB	20	7x0.320	0.960	0.57	3.2	1.70	8.60
KK 2019		HP4-KK-BGE	20	19x0.203	1.009	0.62	2.9	1.75	9.30
KK 1819		HP4-KKBHE	18	19x0.254	1.269	0.96	1.9	2.00	13.1
KK 1619			16	19x0.300	1.500	1.34	1.3	2.25	17.4
KK 1419		HP4-KKBKE	14	19x0.360	1.803	1.94	0.92	2.60	24.6
KK 1427			14	27x0.300	1.800	1.91	0.95	2.70	24.0
KK 1219		HP4-KKBLE	12	19x0.455	2.273	3.10	0.58	3.10	36.8
KK 1237			12	37x0.320	2.220	2.97	0.60	3.10	36.0
KK 1245			12	45x0.300	2.450	3.18	0.58	3.35	37.3
KK 1037		HP4-KKBMG	10	37x0.405	2.800	4.74	0.39	3.60	53.3
KK 8133		HP4-KKBNL	8	133x0.287	4.090	8.60	0.21	5.30	99.0
KK 6133		HP4-KKBPL	6	133x0.360	5.140	13.60	0.13	7.45	175.0
KK 4133		HP4-KKBRL	4	133x0.455	6.480	21.70	0.08	9.10	268.0
KK 2665		HP4-KKBSP	2	665x0.254	8.300	33.70	0.05	10.30	365.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE ZL xxxx TPC

-90°C / +155°C

ETFE

600 Volts AC

LIGHT WEIGHT

SPECIFICATIONS

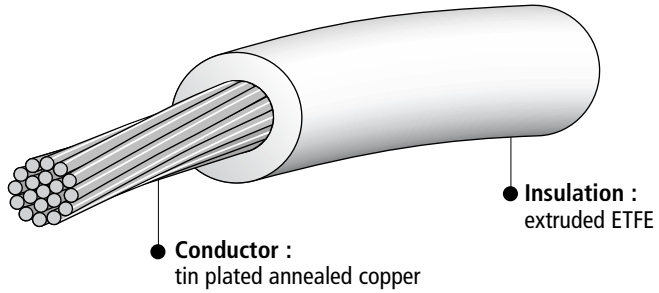
Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759/18

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
ZL 3007	KU 01-30		30	7x0.102	0.304	0.057	33	0.63	0.90
ZL 2807	KU 01-28		28	7x0.127	0.381	0.089	21	0.70	1.30
ZL 2619	KU 01-26	M22759/18-26	26	19x0.102	0.483	0.15	12	0.80	1.90
ZL 2419	KU 01-24	M22759/18-24	24	19x0.127	0.597	0.24	7.6	0.92	2.80
ZL 2219	KU 01-22	M22759/18-22	22	19x0.160	0.762	0.38	5.0	1.10	4.20
ZL 2019		M22759/18-20	20	19x0.203	0.966	0.62	3.1	1.30	6.50
ZL 1819		M22759/18-18	18	19x0.254	1.207	0.96	2.0	1.55	9.75
ZL 1619			16	19x0.300	1.430	1.34	1.4	1.80	13.4
ZL 1419		M22759/18-14	14	19x0.360	1.702	1.94	0.98	2.16	19.5
ZL 1237		M22759/18-12	12	37x0.320	2.198	2.97	0.64	2.72	31.5
ZL 1037		M22759/18-10	10	37x0.405	2.769	4.74	0.40	3.41	50.0

NF REFERENCE : NF SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE ZN xxxx TPC

-90°C / +155°C

ETFE

600 Volts AC

MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759/16

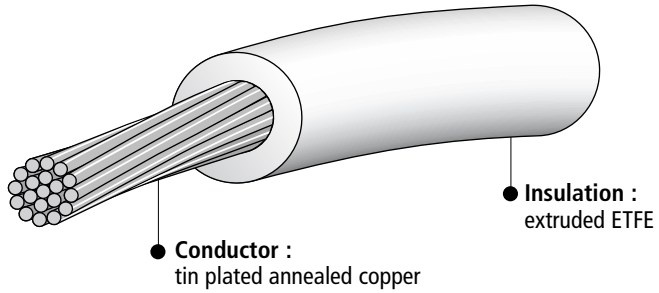
Standard colours
See page III

Other colours or helicoidal stripes upon request

Standard multicores
See page IV

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



AXON' REFERENCE	NF REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
ZN 3007			30	7x0.102	0.304	0.057	33	0.75	1.15
ZN 2807			28	7x0.127	0.381	0.089	21	0.82	1.50
ZN 2619			26	19x0.102	0.483	0.15	12	0.95	2.25
ZN 2419		M22759/16-24	24	19x0.127	0.597	0.24	7.6	1.15	3.40
ZN 2219		M22759/16-22	22	19x0.160	0.762	0.38	5.0	1.32	4.90
ZN 2019	KU 01-20	M22759/16-20	20	19x0.203	0.966	0.62	3.1	1.52	7.30
ZN 1819	KU 01-18	M22759/16-18	18	19x0.254	1.207	0.96	2.0	1.80	11.0
ZN 1619	KU 01-16		16	19x0.300	1.430	1.34	1.4	2.01	14.5
ZN 1419		M22759/16-14	14	19x0.360	1.702	1.94	0.98	2.35	20.7
ZN 1437	KU 01-14		14	37x0.254	1.778	1.87	1.03	2.35	20.0
ZN 1237	KU 01-12	M22759/16-12	12	37x0.320	2.198	2.97	0.64	2.90	33.0
ZN 1037		M22759/16-10	10	37x0.405	2.769	4.74	0.40	3.52	51.0
ZN 8133		M22759/16-8	8	133x0.287	4.200	8.60	0.22	5.05	90.0
ZN 6133		M22759/16-6	6	133x0.360	5.270	13.60	0.14	6.35	142.0
ZN 4133		M22759/16-4	4	133x0.455	6.650	21.70	0.09	7.90	222.0
ZN 2665		M22759/16-2	2	665x0.254	8.380	33.70	0.06	9.85	350.0
ZN 1817		M22759/16-1	1	817x0.254	9.400	41.40	0.05	10.95	430.0
ZN 01045		M22759/16-01	0	1045x0.254	10.550	52.95	0.04	12.15	543.0
ZN 001330		M22759/16-02	00	1330x0.254	11.750	67.39	0.03	13.90	699.0

NF REFERENCE : NF SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE ZZ xxxx TPC

-90°C / +155°C

ETFE

1000 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-33

Insulation : ASTM-D-3159

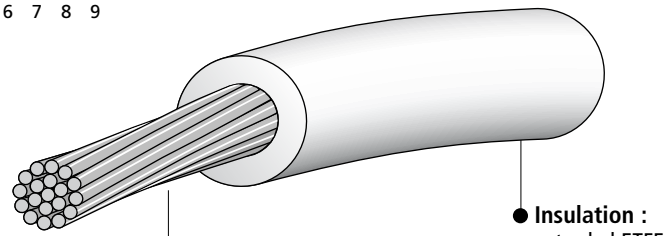
PRIMARY WIRE

Standard colours

See page III

0 1 2 3 4 5 6 7 8 9

Other colours or helicoidal stripes upon request



Insulation : extruded ETFE

Conductor : tin plated annealed copper

Standard multicores

See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
ZZ 3007	30	7x0.102	0.304	0.057	33	1.00	1.80
ZZ 2807	28	7x0.127	0.381	0.089	21	1.10	2.20
ZZ 2619	26	19x0.102	0.483	0.15	12	1.20	3.00
ZZ 2419	24	19x0.127	0.597	0.24	7.6	1.34	4.00
ZZ 2219	22	19x0.160	0.762	0.38	5.0	1.52	5.60
ZZ 2019	20	19x0.203	0.966	0.62	3.1	1.72	8.10
ZZ 1819	18	19x0.254	1.207	0.96	2.0	2.00	11.9
ZZ 1619	16	19x0.300	1.430	1.34	1.4	2.20	15.8
ZZ 1419	14	19x0.360	1.702	1.94	0.98	2.60	22.2
ZZ 1237	12	37x0.320	2.198	2.97	0.64	3.10	34.2
ZZ 1037	10	37x0.405	2.769	4.74	0.40	3.60	54.7
ZZ 8133	8	133x0.287	4.200	8.60	0.22	5.20	92.2
ZZ 6133	6	133x0.360	5.270	13.60	0.14	6.25	126.0
ZZ 4133	4	133x0.455	6.650	21.70	0.09	7.85	200.0

SINGLE WIRES

TYPE RET xxxx SPC

-90°C / +200°C

PTFE TAPE
250 Volts AC

SPECIFICATIONS

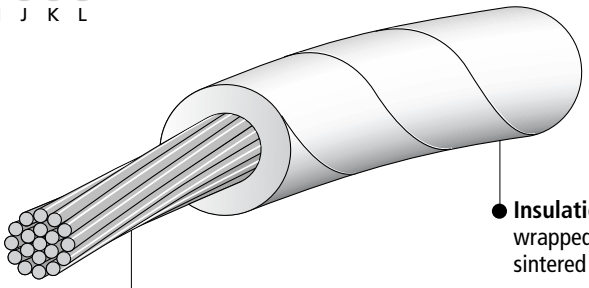
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-4895	
Insulated wire :	NF-C-93523/4	NEMA-HP3

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



Insulation :
wrapped and sintered PTFE tape

Conductor :
electrolytic silver plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
RET 3207	KZ 04-01			32	7x0.079	0.237	0.034	52	0.53	0.80
RET 3007	KZ 04-02	HP3-ETWBBB		30	7x0.102	0.304	0.057	31	0.60	1.10
RET 3019				30	19x0.063	0.315	0.060	30	0.62	1.20
RET 2807	KZ 04-03	HP3-ETWBCB		28	7x0.127	0.381	0.088	20	0.68	1.50
RET 2819				28	19x0.079	0.395	0.093	19	0.69	1.75
RET 2607	KZ 04-04	HP3-ETWBDB		26	7x0.160	0.480	0.14	13	0.80	2.00
RET 2619				26	19x0.102	0.504	0.15	12	0.80	2.20
RET 2633				26	33x0.070	0.450	0.13	14	0.83	2.00
RET 2407	KZ 04-05	HP3-ETWBEB		24	7x0.203	0.609	0.23	7.9	0.91	3.00
RET 2419				24	19x0.127	0.634	0.24	7.5	0.91	3.15
RET 2456				24	56x0.070	0.600	0.22	8.5	0.97	3.00
RET 2207	KZ 04-06		HP3-ETWBFB	22	7x0.254	0.762	0.35	5.0	1.05	4.40
RET 2219				22	19x0.160	0.800	0.38	4.7	1.10	4.60
RET 2272				22	72x0.070	0.750	0.28	6.6	1.10	3.70
RET 2019	KZ 04-07			20	19x0.203	1.009	0.62	2.9	1.33	7.00
RET 20135				20	135x0.070	0.950	0.52	3.6	1.33	6.30
RET 16315				16	315x0.070	1.600	1.20	1.5	1.95	14.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE RE xxxx SPC

-90°C / +200°C

PTFE TAPE
600 Volts AC

SPECIFICATIONS

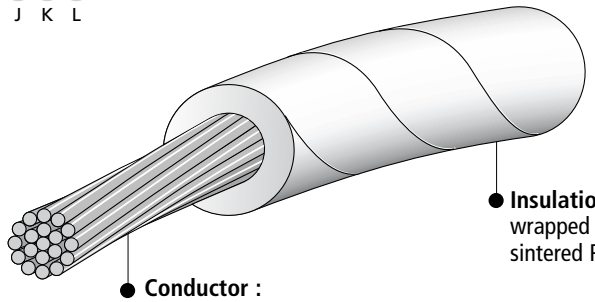
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-4895	
Insulated wire :	NF-C-93523/5	NEMA-HP3

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



Insulation : wrapped and sintered PTFE tape

Conductor : electrolytic silver plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
RE 3207	KZ 05-01			32	7x0.079	0.237	0.034	52	0.75	1.20
RE 3007	KZ 05-02	HP3-EWBBB		30	7x0.102	0.304	0.057	31	0.80	1.50
RE 2807	KZ 05-03	HP3-EWBCB		28	7x0.127	0.381	0.088	20	0.90	2.00
RE 2819				28	19x0.079	0.395	0.093	19	0.90	2.50
RE 2607	KZ 05-04	HP3-EWBDB		26	7x0.160	0.480	0.14	13	1.00	2.70
RE 2619				26	19x0.102	0.504	0.15	12	1.00	3.00
RE 2633				26	33x0.07	0.450	0.13	14	0.96	2.30
RE 2407	KZ 05-05	HP3-EWBEB		24	7x0.203	0.609	0.23	7.9	1.10	3.60
RE 2419				24	19x0.127	0.634	0.24	7.5	1.15	4.10
RE 2456				24	56x0.070	0.600	0.22	8.5	1.10	3.40
RE 2207	KZ 05-06		HP3-EWBFB	22	7x0.254	0.762	0.35	5.0	1.25	5.00
RE 2219				22	19x0.160	0.800	0.38	4.7	1.30	5.70
RE 2272				22	72x0.070	0.750	0.28	6.6	1.22	4.50
RE 2019	KZ 05-07			20	19x0.203	1.009	0.62	2.9	1.50	7.90
RE 20135				20	135x0.070	0.950	0.52	3.6	1.45	7.00
RE 1819	KZ 05-08			18	19x0.254	1.269	0.96	1.9	1.75	11.5
RE 1619	KZ 05-09			16	19x0.300	1.500	1.34	1.3	2.10	16.3
RE 16315				16	315x0.070	1.600	1.25	1.6	2.05	14.8
RE 15504				15	504x0.070	2.050	1.99	0.95	2.53	22.7
RE 1419				14	19x0.360	1.803	1.94	0.92	2.40	21.8
RE 1427	KZ 05-10			14	27x0.300	1.800	1.91	0.95	2.45	21.8
RE 1219				12	19x0.455	2.273	3.10	0.58	2.90	33.0
RE 1245	KZ 05-11			12	45x0.300	2.450	3.18	0.58	3.05	34.0
RE 1037				10	37x0.405	2.800	4.74	0.39	3.40	51.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE REE xxxx SPC

-90°C / +200°C

PTFE TAPE
1000 Volts AC

SPECIFICATIONS

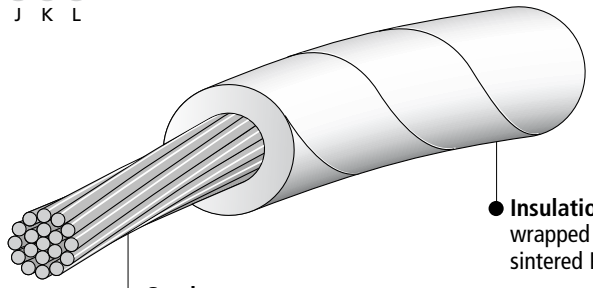
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-4895	
Insulated wire :	NF-C-93523/6	NEMA-HP3

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



Insulation :
wrapped and sintered PTFE tape

Conductor :
electrolytic silver plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
REE 3207	KZ 06-01	HP3-EEWBAB		32	7x0.079	0.237	0.034	52	1.00	2.00
REE 3007	KZ 06-02	HP3-EEWBBB		30	7x0.102	0.304	0.057	31	1.08	2.30
REE 2807	KZ 06-03	HP3-EEWBCB		28	7x0.127	0.381	0.088	20	1.14	2.70
REE 2819				28	19x0.079	0.395	0.093	19	1.10	2.85
REE 2607	KZ 06-04	HP3-EEWBDB		26	7x0.160	0.480	0.14	13	1.25	3.60
REE 2619		HP3-EEWBDE		26	19x0.102	0.504	0.15	12	1.25	3.70
REE 2407	KZ 06-05	HP3-EEWBEB		24	7x0.203	0.609	0.23	7.9	1.37	4.60
REE 2419		HP3-EEWBEE		24	19x0.127	0.634	0.24	7.5	1.35	4.80
REE 2207	KZ 06-06		HP3-EEWBFB	22	7x0.254	0.762	0.35	5.0	1.50	6.20
REE 2219			HP3-EEWBFE	22	19x0.160	0.800	0.38	4.7	1.50	6.50
REE 2019	KZ 06-07		HP3-EEWBGE	20	19x0.203	1.009	0.62	2.9	1.75	9.30
REE 1819	KZ 06-08		HP3-EEWBHE	18	19x0.254	1.269	0.96	1.9	2.00	13.1
REE 1619	KZ 06-09			16	19x0.300	1.500	1.34	1.4	2.25	17.4
REE 1419				14	19x0.360	1.803	1.94	0.92	2.65	24.0
REE 1427	KZ 06-10			14	27x0.300	1.800	1.91	0.95	2.70	24.0
REE 1219				12	19x0.455	2.273	3.10	0.58	3.15	36.0
REE 1245	KZ 06-11			12	45x0.300	2.450	3.18	0.58	3.35	37.3
REE 1037			HP3-EEWBMG	10	37x0.405	2.800	4.74	0.39	3.70	54.9
REE 8133			HP3-EEWBNL	8	133x0.287	4.090	8.60	0.21	5.30	96.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE RET xxxx NPC

-90°C / +260°C

PTFE TAPE
250 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-355

Insulation : ASTM-D-4895

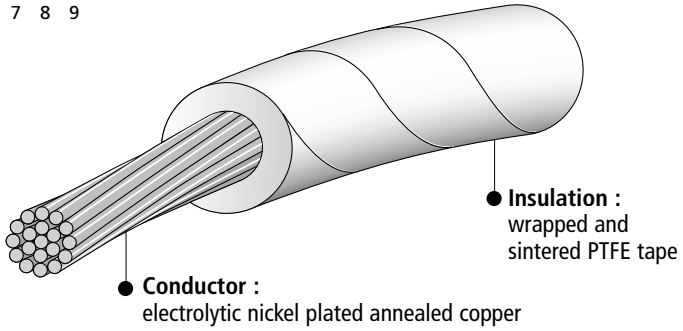
Insulated wire : NEMA-HP3

Standard colours
See page III

Other colours upon request

0 1 2 3 4 5 6 7 8 9

PRIMARY WIRE



Standard multicores
See page IV

AXON' REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
RET 3207 NPC			32	7x0.079	0.237	0.034	57	0.53	0.80
RET 3007 NPC	HP3-ETWCBB		30	7x0.102	0.304	0.057	34	0.60	1.10
RET 2807 NPC	HP3-ETWCCB		28	7x0.127	0.381	0.088	21	0.68	1.50
RET 2819 NPC			28	19x0.079	0.395	0.093	21	0.69	1.75
RET 2607 NPC	HP3-ETWCDB		26	7x0.160	0.480	0.14	13	0.80	2.00
RET 2619 NPC			26	19x0.102	0.504	0.15	13	0.80	2.20
RET 2407 NPC	HP3-ETWCEB		24	7x0.203	0.609	0.23	8.4	0.91	3.00
RET 2419 NPC			24	19x0.127	0.634	0.24	8.0	0.91	3.15
RET 2207 NPC		HP3-ETWCFB	22	7x0.254	0.762	0.35	5.3	1.05	4.40
RET 2219 NPC			22	19x0.160	0.800	0.38	5.0	1.10	4.60
RET 2019 NPC			20	19x0.203	1.009	0.62	3.1	1.33	7.00

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE RE xxxx NPC

-90°C / +260°C

PTFE TAPE
600 Volts AC

SPECIFICATIONS

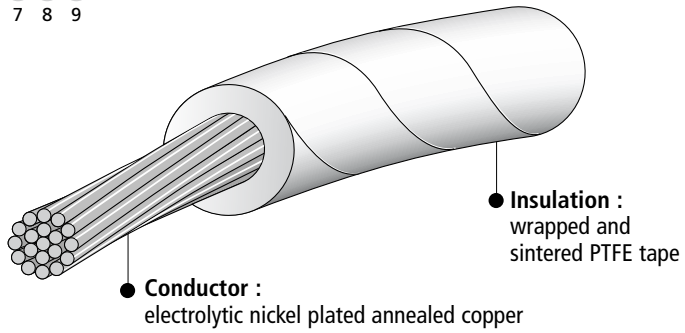
Conductor : ASTM-B-224 ASTM-B-355
Insulation : ASTM-D-4895
Insulated wire : NEMA-HP3

Standard colours
See page III

Other colours upon request

0 1 2 3 4 5 6 7 8 9

PRIMARY WIRE



Standard multicores
See page IV

AXON' REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
RE 3207 NPC			32	7x0.079	0.237	0.034	57	0.75	1.20
RE 3007 NPC	HP3-EWCBB		30	7x0.102	0.304	0.057	34.	0.80	1.50
RE 2807 NPC	HP3-EWCCB		28	7x0.127	0.381	0.088	21	0.90	2.00
RE 2819 NPC			28	19x0.079	0.395	0.093	21	0.90	2.50
RE 2607 NPC	HP3-EWCDB		26	7x0.160	0.480	0.14	13	1.00	2.70
RE 2619 NPC			26	19x0.102	0.504	0.15	13	1.00	3.00
RE 2407 NPC	HP3-EWCEB		24	7x0.203	0.609	0.23	8.4	1.10	3.60
RE 2419 NPC			24	19x0.127	0.634	0.24	8.0	1.15	4.10
RE 2207 NPC		HP3-EWCFB	22	7x0.254	0.762	0.35	5.3	1.25	5.00
RE 2219 NPC			22	19x0.160	0.800	0.38	5.0	1.30	5.70
RE 2019 NPC			20	19x0.203	1.009	0.62	3.1	1.50	7.90
RE 1819 NPC			18	19x0.254	1.269	0.96	2.0	1.75	11.5
RE 1619 NPC			16	19x0.300	1.500	1.34	1.4	2.10	16.3
RE 1419 NPC			14	19x0.360	1.803	1.94	0.96	2.40	21.8
RE 1427 NPC			14	27x0.300	1.800	1.91	1.00	2.48	21.8
RE 1219 NPC			12	19x0.455	2.273	3.10	0.60	2.90	33.0
RE 1245 NPC			12	45x0.300	2.450	3.18	0.60	3.05	34.0
RE 1037 NPC			10	37x0.404	2.800	4.74	0.41	3.40	51.0

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

SINGLE WIRES

TYPE REE xxxx NPC

-90°C / +260°C

PTFE TAPE
1000 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-355

Insulation : ASTM-D-4895

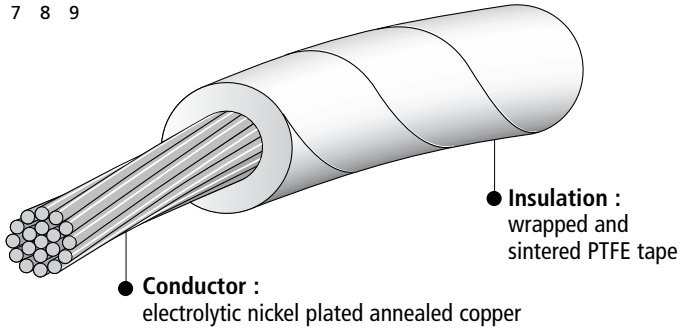
Insulated wire : NEMA-HP3

Standard colours
See page III

Other colours upon request

0 1 2 3 4 5 6 7 8 9

PRIMARY WIRE



Standard multicores
See page IV

AXON' REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
REE 3207 NPC	HP3-EEWCAB		32	7x0.079	0.237	0.034	57	1.00	2.00
REE 3007 NPC	HP3-EEWCBB		30	7x0.102	0.304	0.057	34	1.08	2.30
REE 2807 NPC	HP3-EEWCCB		28	7x0.127	0.381	0.088	21	1.14	2.70
REE 2819 NPC			28	19x0.079	0.395	0.093	21	1.10	2.85
REE 2607 NPC	HP3-EEWCDB		26	7x0.160	0.480	0.14	13	1.25	3.60
REE 2619 NPC	HP3-EEWCDE		26	19x0.102	0.504	0.15	13	1.25	3.70
REE 2407 NPC	HP3-EEWCEB		24	7x0.203	0.609	0.23	8.4	1.37	4.60
REE 2419 NPC	HP3-EEWCEE		24	19x0.127	0.634	0.24	8.0	1.35	4.85
REE 2207 NPC		HP3-EEWCFB	22	7x0.254	0.762	0.35	5.3	1.50	6.20
REE 2219 NPC		HP3-EEWCFE	22	19x0.160	0.800	0.38	5.0	1.50	6.50
REE 2019 NPC		HP3-EEWCGE	20	19x0.203	1.009	0.62	3.1	1.75	9.30
REE 1819 NPC		HP3-EEWCHE	18	19x0.254	1.269	0.96	2.0	2.00	13.1
REE 1619 NPC			16	19x0.300	1.500	1.34	1.4	2.25	17.4
REE 1419 NPC			14	19x0.360	1.803	1.94	0.96	2.65	24.6
REE 1427 NPC			14	27x0.300	1.800	1.91	1.00	2.70	24.0
REE 1219 NPC			12	19x0.455	2.273	3.10	0.60	3.15	36.8
REE 1245 NPC			12	45x0.300	2.450	3.18	0.60	3.35	37.3
REE 1037 NPC		HP3-EEWCMG	10	37x0.404	2.800	4.74	0.40	3.70	54.9

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

RELEASED 03/2010

TYPE HT xxxx SPC or SPCA

-90°C / +200°C

POLYIMIDE TAPE

600 Volts AC

LIGHT WEIGHT

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298 ASTM-B-624

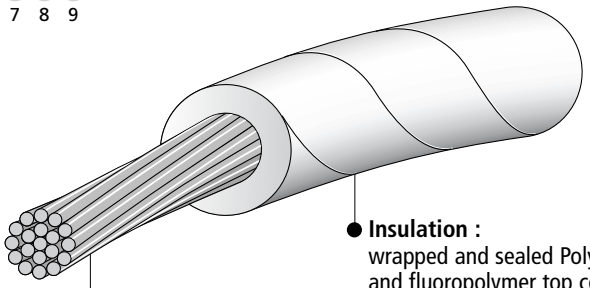
PRIMARY WIRE

Standard colours

See page III

0 1 2 3 4 5 6 7 8 9

Other colours upon request



Insulation :
wrapped and sealed Polyimide tape
and fluoropolymer top coating for colouring

Conductor :
electrolytic silver plated annealed copper or
high strength silver plated copper alloy (SCA)

Standard multicores

See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
HT 3001 SCA	30	1x0.254	0.254	0.051	40	0.48	0.60
HT 3007 SCA	30	7x0.102	0.303	0.057	36	0.53	0.70
HT 2801 SCA	28	1x0.320	0.320	0.081	24	0.55	0.90
HT 2807 SCA	28	7x0.127	0.381	0.088	23	0.61	1.00
HT 2601	26	1x0.403	0.403	0.13	13	0.63	1.40
HT 2619	26	19x0.102	0.504	0.15	12	0.74	1.70
HT 2401	24	1x0.510	0.510	0.21	8.5	0.74	2.10
HT 2419	24	19x0.127	0.634	0.24	7.5	0.86	2.60
HT 2201	22	1x0.644	0.644	0.33	5.3	0.87	3.20
HT 2219	22	19x0.160	0.800	0.38	4.7	1.03	4.00
HT 2001	20	1x0.812	0.812	0.52	3.3	1.04	5.00
HT 2019	20	19x0.203	1.009	0.62	2.9	1.24	6.20
HT 1819	18	19x0.254	1.269	0.96	1.9	1.50	9.60
HT 1619	16	19x0.300	1.500	1.34	1.3	1.73	13.2

SINGLE WIRES

TYPE H xxxx SPC or SPCA

-90°C / +200°C

POLYIMIDE TAPE

600 Volts AC

MEDIUM WEIGHT

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298 ASTM-B-624

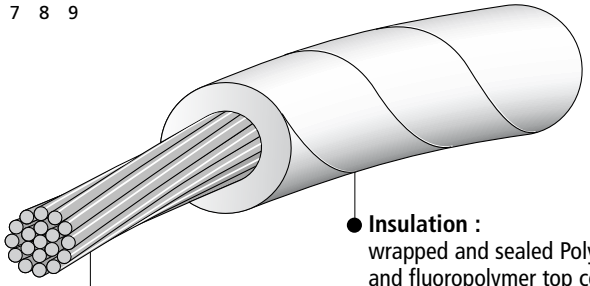
PRIMARY WIRE

Standard colours

See page III

0 1 2 3 4 5 6 7 8 9

Other colours upon request



- **Insulation :** wrapped and sealed Polyimide tape and fluoropolymer top coating for colouring
- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA)

Standard multicores

See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
H 3001 SCA	30	1x0.254	0.254	0.051	40	0.55	0.75
H 3007 SCA	30	7x0.102	0.303	0.057	36	0.60	0.85
H 2801 SCA	28	1x0.320	0.320	0.081	24	0.62	1.00
H 2807 SCA	28	7x0.127	0.381	0.088	23	0.68	1.20
H 2601	26	1x0.403	0.403	0.13	13	0.70	1.50
H 2619	26	19x0.102	0.504	0.15	12	0.81	1.90
H 2401	24	1x0.510	0.510	0.21	8.5	0.81	2.30
H 2419	24	19x0.127	0.634	0.24	7.5	0.93	2.80
H 2201	22	1x0.644	0.644	0.33	5.3	0.94	3.50
H 2219	22	19x0.160	0.800	0.38	4.7	1.10	4.20
H 2001	20	1x0.812	0.812	0.52	3.3	1.11	5.30
H 2019	20	19x0.203	1.009	0.62	2.9	1.31	6.50
H 1819	18	19x0.254	1.269	0.96	1.9	1.57	10.0
H 1619	16	19x0.300	1.500	1.34	1.3	1.80	13.7
H 1419	14	19x0.360	1.803	1.94	0.92	2.15	19.4
H 1237	12	37x0.320	2.220	2.97	0.60	2.59	30.0
H 1037	10	37x0.405	2.800	4.74	0.39	3.19	47.0
H 8133	8	133x0.287	4.090	8.60	0.21	4.85	88.0
H 6133	6	133x0.360	5.140	13.60	0.13	6.07	136.0
H 4133	4	133x0.455	6.480	21.70	0.08	7.42	211.0
H 2665	2	665x0.254	8.300	33.70	0.05	9.01	331.0

SINGLE WIRES

TYPE HET xxxx SPC

-90°C / +200°C

POLYIMIDE / PTFE TAPE
300 Volts AC

SPECIFICATIONS

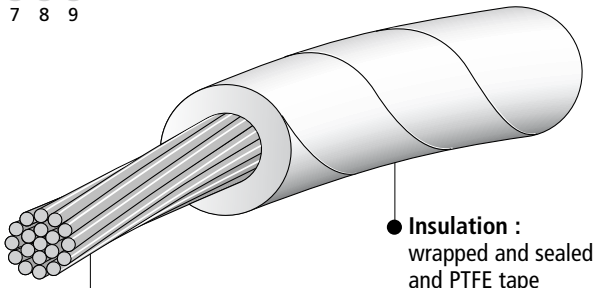
Conductor : ASTM-B-224 ASTM-B-298

PRIMARY WIRE

Standard colours
See page III

Other colours upon request

0 1 2 3 4 5 6 7 8 9



- **Insulation :** wrapped and sealed Polyimide and PTFE tape
- **Conductor :** electrolytic silver plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
HET 2807	28	7x0.127	0.381	0.088	20	0.75	1.40
HET 2619	26	19x0.102	0.504	0.15	12	0.87	2.20
HET 2419	24	19x0.127	0.634	0.24	7.5	1.00	3.10
HET 2219	22	19x0.160	0.800	0.38	4.7	1.17	4.60
HET 2019	20	19x0.203	1.009	0.62	2.9	1.38	7.00

TYPE HE xxxx SPC

-90°C / +200°C

POLYIMIDE / PTFE TAPE
600 Volts AC

SPECIFICATIONS

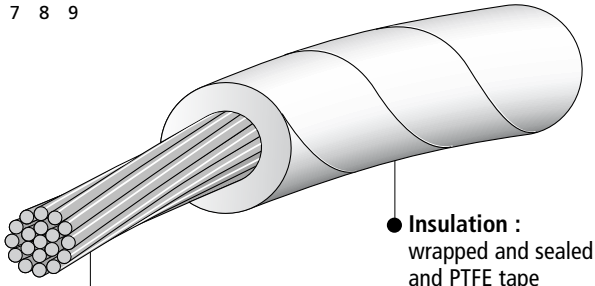
Conductor : ASTM-B-224 ASTM-B-298

PRIMARY WIRE

Standard colours
See page III

Other colours upon request

0 1 2 3 4 5 6 7 8 9



Insulation :
wrapped and sealed Polyimide and PTFE tape

Conductor :
electrolytic silver plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
HE 1819	18	19x0.254	1.269	0.962	1.9	1.93	12.0
HE 1619	16	19x0.300	1.500	1.34	1.3	2.27	16.0
HE 1419	14	19x0.360	1.803	1.94	0.92	2.57	22.0
HE 1219	12	19x0.455	2.273	3.10	0.58	3.05	34.0

SHIELDED JACKETED SINGLE CORE CABLES

TYPE UT xxxx STK 1 SPC or SPCA

-90°C / +200°C

PTFE / FEP

160 Volts AC

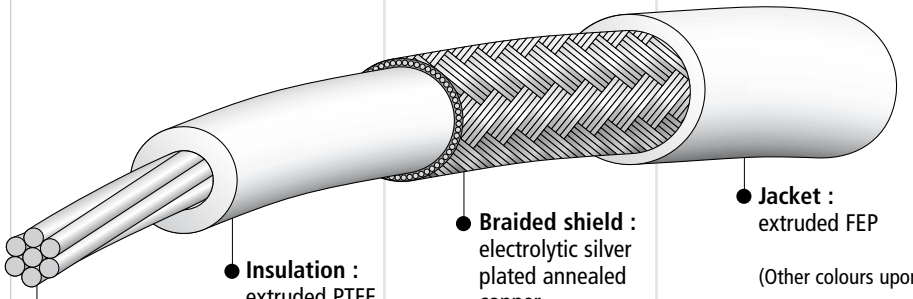
SPECIFICATIONS

Insulation and jacket :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	ASTM-B-224	ASTM-B-298	ASTM-B-624

Standard colours
See page III

Other colours upon request

PRIMARY WIRE	SHIELDING	JACKET
B C D E F G H J K L		9



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 1)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
UT 3607 SCA STK1	UT 3607 SCA	0.33	0.063	0.60	0.90	2.90
UT 3407 SCA STK1	UT 3407 SCA	0.37	0.063	0.63	1.00	3.10
UT 3207 SCA STK1	UT 3207 SCA	0.43	0.063	0.70	1.05	3.80
UT 3007 SCA STK1	UT 3007 SCA	0.50	0.063	0.77	1.10	4.20
UT 2807 STK1	UT 2807	0.57	0.063	0.83	1.15	4.70

SHIELDED JACKETED TWISTED PAIRS

TYPE UT xxxx STK 2 SPC or SPCA

-90°C / +200°C

PTFE / FEP

160 Volts AC

SPECIFICATIONS

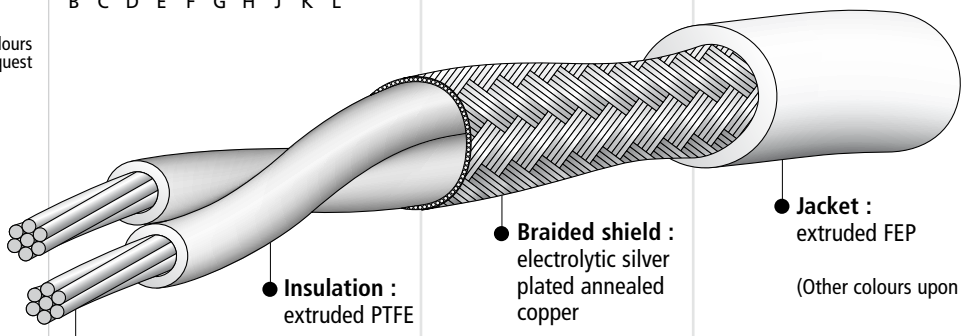
Insulation and jacket :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	ASTM-B-224	ASTM-B-298	ASTM-B-624

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L — 9



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 1)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
UT 3607 SCA STK2	UT 3607 SCA	0.33	0.063	0.94	1.25	4.10
UT 3407 SCA STK2	UT 3407 SCA	0.37	0.063	1.02	1.35	4.40
UT 3207 SCA STK2	UT 3207 SCA	0.43	0.063	1.14	1.45	5.00
UT 3007 SCA STK2	UT 3007 SCA	0.50	0.063	1.28	1.60	5.90
UT 2807 STK2	UT 2807	0.57	0.063	1.40	1.70	6.50

SHIELDED JACKETED TWISTED TRIPLES

TYPE UT xxxx STK 3 SPC or SPCA

-90°C / +200°C

PTFE / FEP

160 Volts AC

SPECIFICATIONS

Insulation and jacket :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	ASTM-B-224	ASTM-B-298	ASTM-B-624

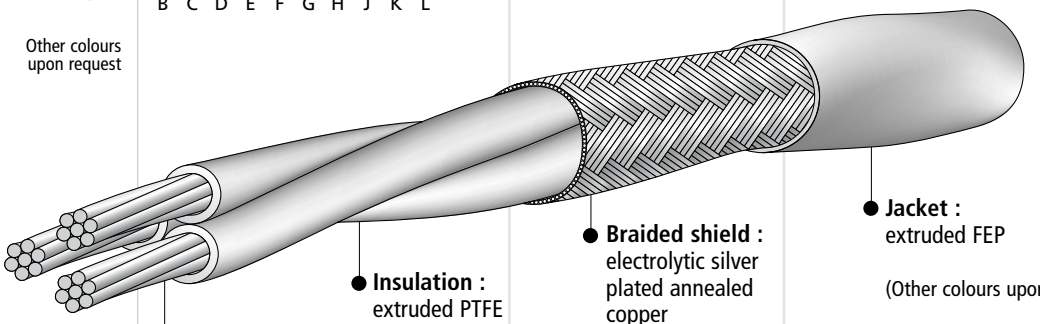
Standard colours
See page III

Other colours upon request

PRIMARY WIRE — B C D E F G H J K L

SHIELDING

JACKET — 9



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 1)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
UT 3607 SCA STK3	UT 3607 SCA	0.33	0.063	0.99	1.30	4.60
UT 3407 SCA STK3	UT 3407 SCA	0.37	0.063	1.08	1.40	5.10
UT 3207 SCA STK3	UT 3207 SCA	0.43	0.063	1.20	1.50	5.90
UT 3007 SCA STK3	UT 3007 SCA	0.50	0.063	1.35	1.65	7.30
UT 2807 STK3	UT 2807	0.57	0.063	1.50	1.80	8.60

SHIELDED JACKETED TWISTED QUADS

TYPE UT xxxx STK 4 SPC or SPCA

-90°C / +200°C

PTFE/FEP

160 Volts AC

SPECIFICATIONS

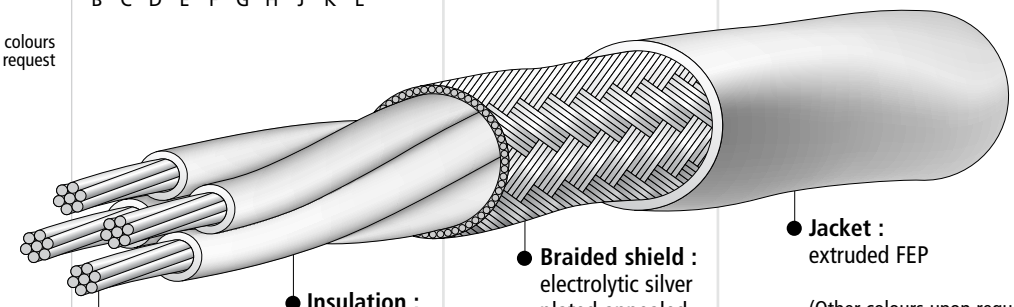
Insulation and jacket :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	ASTM-B-224	ASTM-B-298	ASTM-B-624

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L — 9



Conductor : electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Insulation : extruded PTFE

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 1)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
UT 3607 SCA STK4	UT 3607 SCA	0.33	0.063	1.08	1.40	5.10
UT 3407 SCA STK4	UT 3407 SCA	0.37	0.063	1.17	1.50	5.70
UT 3207 SCA STK4	UT 3207 SCA	0.43	0.063	1.31	1.60	7.00
UT 3007 SCA STK4	UT 3007 SCA	0.50	0.063	1.48	1.80	8.40
UT 2807 STK4	UT 2807	0.57	0.063	1.65	1.95	10.0

SHIELDED JACKETED SINGLE CORE CABLES

TYPE ET xxxx STK 1 SPC or SPCA

-90°C / +200°C

PTFE / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		

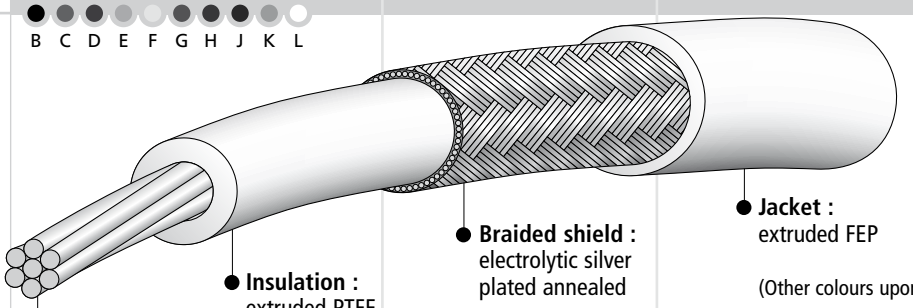
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



Conductor : electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Insulation : extruded PTFE

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 3601 STK1	ET 3601 SCA	0.45	0.063	0.73	1.05	3.00
ET 3607 STK1	ET 3607 SCA	0.48	0.063	0.75	1.10	3.10
ET 3401 STK1	ET 3401 SCA	0.50	0.063	0.75	1.10	3.20
ET 3407 STK1	ET 3407 SCA	0.50	0.063	0.80	1.10	3.20
ET 3201 STK1	ET 3201	0.50	0.063	0.80	1.10	3.30
ET 3207 STK1	ET 3207 or KZ 04-01	0.57	0.063	0.85	1.20	3.70
ET 3001 STK1	ET 3001	0.56	0.063	0.85	1.20	3.00
ET 3007 STK1	ET 3007 or KZ 04-02	0.62	0.063	0.90	1.25	4.10
ET 3019 STK1	ET 3019 SCA	0.62	0.063	0.95	1.25	4.00
ET 2801 STK1	ET 2801	0.65	0.063	0.95	1.25	4.00
ET 2807 STK1	ET 2807 or KZ 04-03	0.70	0.063	1.00	1.30	5.00
ET 2819 STK1	ET 2819	0.70	0.063	1.00	1.30	5.00
ET 2601 STK1	ET 2601	0.72	0.063	1.00	1.30	5.00
ET 2607 STK1	ET 2607 or KZ 04-04	0.80	0.079	1.15	1.60	6.70
ET 2619 STK1	ET 2619	0.82	0.079	1.20	1.60	6.50
ET 2401 STK1	ET 2401	0.83	0.079	1.20	1.65	7.10
ET 2407 STK1	ET 2407 or KZ 04-05	0.93	0.102	1.40	1.85	10.0
ET 2419 STK1	ET 2419	0.95	0.102	1.40	1.85	9.60
ET 2201 STK1	ET 2201	0.95	0.102	1.40	1.85	10.4
ET 2207 STK1	ET 2207 or KZ 04-06	1.10	0.102	1.55	2.00	11.7
ET 2219 STK1	ET 2219	1.13	0.102	1.60	2.05	11.5
ET 2001 STK1	ET 2001	1.13	0.102	1.60	2.05	12.7
ET 2007 STK1	ET 2007	1.25	0.102	1.70	2.15	13.6
ET 2019 STK1	ET 2019 or KZ 04-07	1.33	0.102	1.80	2.25	16.8

SHIELDED JACKETED TWISTED PAIRS

TYPE ET xxxx STK 2 SPC or SPCA

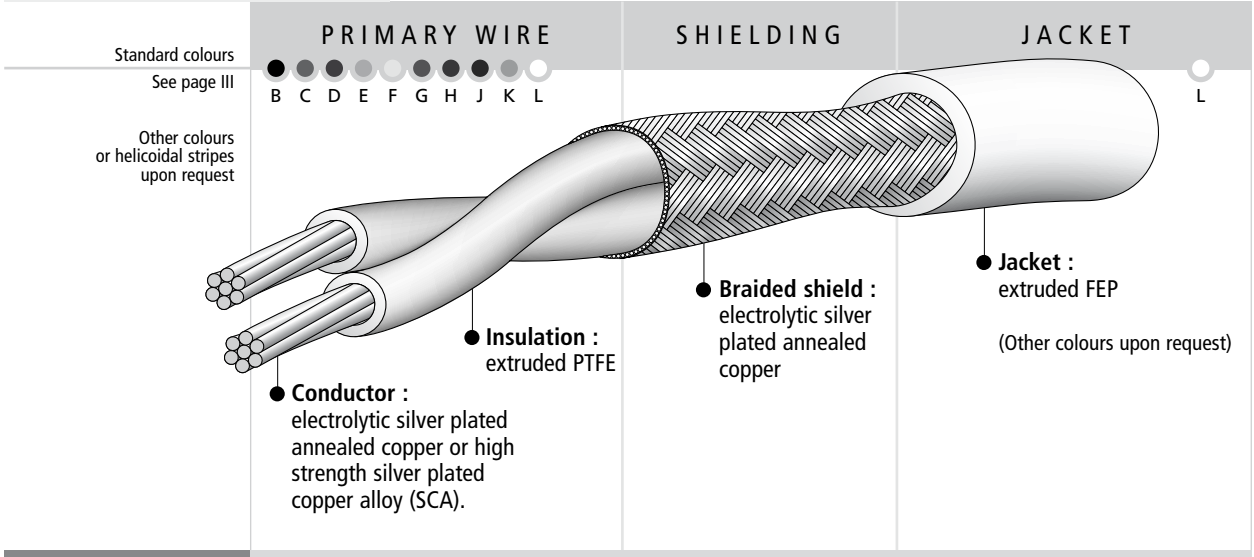
-90°C / +200°C

PTFE / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 3601 STK2	ET 3601 SCA	0.45	0.063	1.20	1.60	4.80
ET 3607 STK2	ET 3607 SCA	0.48	0.063	1.25	1.65	4.90
ET 3401 STK2	ET 3401 SCA	0.50	0.063	1.30	1.70	5.20
ET 3407 STK2	ET 3407 SCA	0.50	0.063	1.30	1.70	5.30
ET 3201 STK2	ET 3201	0.50	0.063	1.30	1.70	5.50
ET 3207 STK2	ET 3207 or KZ 04-01	0.57	0.079	1.50	1.95	7.30
ET 3001 STK2	ET 3001	0.56	0.079	1.50	1.95	7.00
ET 3007 STK2	ET 3007 or KZ 04-02	0.62	0.079	1.60	2.05	8.10
ET 3019 STK2	ET 3019 SCA	0.62	0.079	1.60	2.05	7.90
ET 2801 STK2	ET 2801	0.65	0.079	1.65	2.10	8.10
ET 2807 STK2	ET 2807 or KZ 04-03	0.70	0.079	1.75	2.20	9.20
ET 2819 STK2	ET 2819	0.70	0.079	1.75	2.20	9.20
ET 2601 STK2	ET 2601	0.72	0.079	1.80	2.25	9.40
ET 2607 STK2	ET 2607 or KZ 04-04	0.80	0.102	2.05	2.60	14.0
ET 2619 STK2	ET 2619	0.82	0.102	2.10	2.65	13.7
ET 2401 STK2	ET 2401	0.83	0.102	2.10	2.70	14.8
ET 2407 STK2	ET 2407 or KZ 04-05	0.93	0.127	2.40	2.95	18.1
ET 2419 STK2	ET 2419	0.95	0.127	2.45	3.00	17.7
ET 2201 STK2	ET 2201	0.95	0.127	2.45	3.00	19.2
ET 2207 STK2	ET 2207 or KZ 04-06	1.10	0.127	2.75	3.30	23.5
ET 2219 STK2	ET 2219	1.13	0.127	2.80	3.35	22.8
ET 2001 STK2	ET 2001	1.13	0.127	2.80	3.35	25.2
ET 2007 STK2	ET 2007	1.25	0.127	3.05	3.70	29.7
ET 2019 STK2	ET 2019 or KZ 04-07	1.33	0.127	3.20	3.85	34.0

SHIELDED JACKETED TWISTED TRIPLES

TYPE ET xxxx STK 3 SPC or SPCA

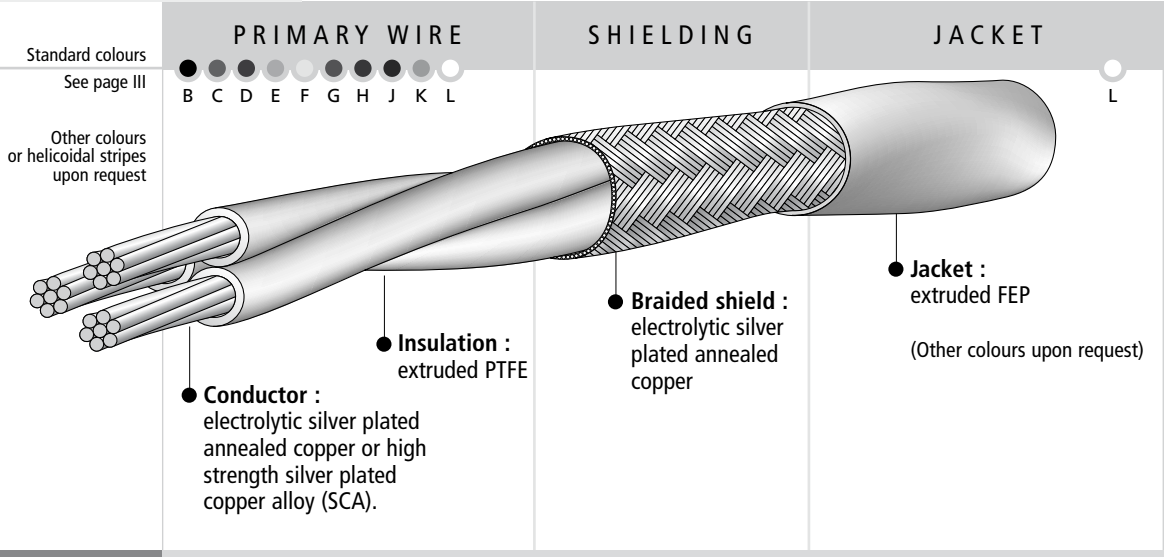
-90°C / +200°C

PTFE / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 3601 STK3	ET 3601 SCA	0.45	0.102	1.40	1.85	7.80
ET 3607 STK3	ET 3607 SCA	0.48	0.102	1.50	1.95	8.30
ET 3401 STK3	ET 3401 SCA	0.50	0.102	1.55	2.00	8.60
ET 3407 STK3	ET 3407 SCA	0.50	0.102	1.55	2.00	8.70
ET 3201 STK3	ET 3201	0.50	0.102	1.55	2.00	9.00
ET 3207 STK3	ET 3207 or KZ 04-01	0.57	0.102	1.70	2.10	10.9
ET 3001 STK3	ET 3001	0.56	0.102	1.65	2.10	10.5
ET 3007 STK3	ET 3007 or KZ 04-02	0.62	0.102	1.80	2.25	12.4
ET 3019 STK3	ET 3019 SCA	0.62	0.102	1.80	2.25	12.1
ET 2801 STK3	ET 2801	0.65	0.102	1.85	2.30	12.4
ET 2807 STK3	ET 2807 or KZ 04-03	0.70	0.102	1.95	2.40	13.8
ET 2819 STK3	ET 2819	0.70	0.102	1.95	2.40	13.8
ET 2601 STK3	ET 2601	0.72	0.127	2.10	2.55	15.8
ET 2607 STK3	ET 2607 or KZ 04-04	0.80	0.127	2.30	2.80	20.3
ET 2619 STK3	ET 2619	0.82	0.127	2.30	2.85	19.9
ET 2401 STK3	ET 2401	0.83	0.127	2.35	2.85	20.9
ET 2407 STK3	ET 2407 or KZ 04-05	0.93	0.127	2.55	3.10	24.0
ET 2419 STK3	ET 2419	0.95	0.127	2.60	3.15	25.5
ET 2201 STK3	ET 2201	0.95	0.127	2.60	3.15	27.7
ET 2207 STK3	ET 2207 or KZ 04-06	1.10	0.127	2.95	3.45	31.4
ET 2219 STK3	ET 2219	1.13	0.127	3.00	3.50	30.2
ET 2001 STK3	ET 2001	1.13	0.127	3.00	3.50	33.9
ET 2007 STK3	ET 2007	1.25	0.127	3.25	3.90	39.6
ET 2019 STK3	ET 2019 or KZ 04-07	1.33	0.127	3.40	4.05	45.7

SHIELDED JACKETED TWISTED QUADS

TYPE ET xxxx STK 4 SPC or SPCA

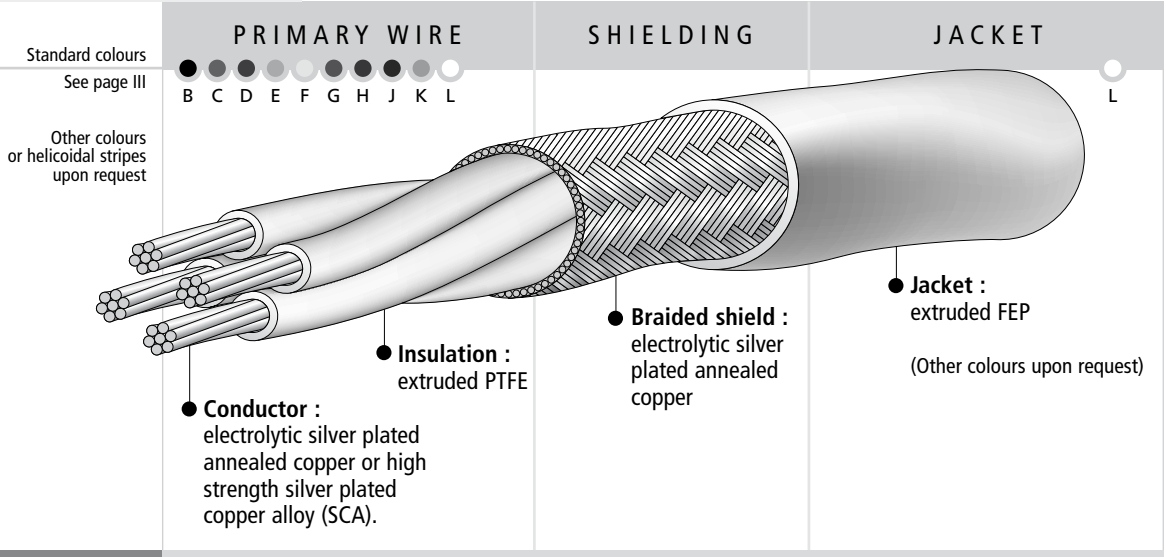
-90°C / +200°C

PTFE / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 3601 STK4	ET 3601 SCA	0.45	0.102	1.55	2.00	8.70
ET 3607 STK4	ET 3607 SCA	0.48	0.102	1.60	2.05	8.80
ET 3401 STK4	ET 3401 SCA	0.50	0.102	1.65	2.10	10.6
ET 3407 STK4	ET 3407 SCA	0.50	0.102	1.65	2.10	10.7
ET 3201 STK4	ET 3201	0.50	0.102	1.65	2.10	11.1
ET 3207 STK4	ET 3207 or KZ 04-01	0.57	0.102	1.85	2.25	12.1
ET 3001 STK4	ET 3001	0.56	0.102	1.80	2.25	11.6
ET 3007 STK4	ET 3007 or KZ 04-02	0.62	0.102	1.95	2.40	13.9
ET 3019 STK4	ET 3019 SCA	0.62	0.102	1.95	2.40	13.5
ET 2801 STK4	ET 2801	0.65	0.127	2.10	2.65	16.4
ET 2807 STK4	ET 2807 or KZ 04-03	0.70	0.127	2.25	2.80	20.3
ET 2819 STK4	ET 2819	0.70	0.127	2.25	2.80	20.3
ET 2601 STK4	ET 2601	0.72	0.127	2.30	2.85	20.6
ET 2607 STK4	ET 2607 or KZ 04-04	0.80	0.127	2.50	3.05	23.5
ET 2619 STK4	ET 2619	0.82	0.127	2.55	3.10	22.8
ET 2401 STK4	ET 2401	0.83	0.127	2.55	3.10	24.3
ET 2407 STK4	ET 2407 or KZ 04-05	0.93	0.127	2.80	3.35	30.0
ET 2419 STK4	ET 2419	0.95	0.127	2.85	3.40	29.1
ET 2201 STK4	ET 2201	0.95	0.127	2.85	3.40	32.1
ET 2207 STK4	ET 2207 or KZ 04-06	1.10	0.127	3.20	3.85	40.5
ET 2219 STK4	ET 2219	1.13	0.127	3.30	3.95	39.5
ET 2001 STK4	ET 2001	1.13	0.127	3.30	3.95	44.5
ET 2007 STK4	ET 2007	1.25	0.127	3.60	4.25	47.3
ET 2019 STK4	ET 2019 or KZ 04-07	1.33	0.127	3.75	4.40	56.7

SHIELDED JACKETED SINGLE CORE CABLES

TYPE E xxxx STK 1 SPC or SPCA

-90°C / +200°C

PTFE / FEP

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		

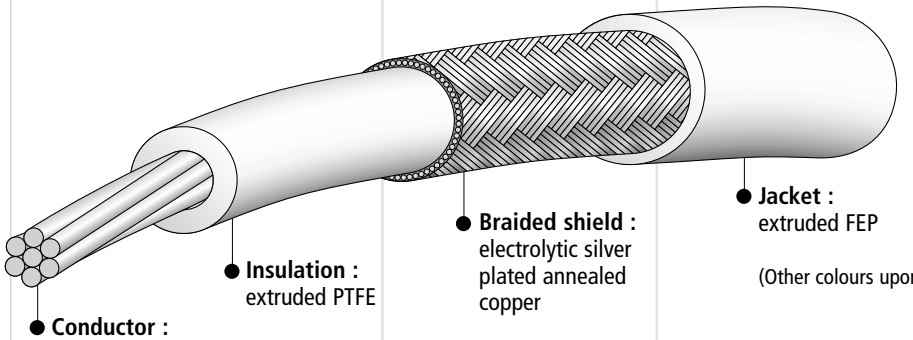
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
E 3407 STK1	E 3407 SCA	0.70	0.079	1.05	1.50	5.40
E 3207 STK1	E 3207 or KZ 05-01	0.75	0.079	1.10	1.55	5.90
E 3007 STK1	E 3007 or KZ 05-01	0.80	0.102	1.25	1.70	8.30
E 2807 STK1	E 2807 or KZ 05-03	0.90	0.102	1.35	1.80	9.00
E 2607 STK1	E 2607 or KZ 05-04	1.00	0.102	1.45	1.90	9.90
E 2619 STK1	E 2619	1.00	0.102	1.45	1.90	9.50
E 2407 STK1	E 2407 or KZ 05-05	1.10	0.102	1.55	2.00	11.2
E 2419 STK1	E 2419	1.15	0.102	1.60	2.05	10.9
E 2207 STK1	E 2207 or KZ 05-06	1.25	0.102	1.70	2.15	14.5
E 2219 STK1	E 2219	1.30	0.102	1.75	2.20	14.0
E 2007 STK1	E 2007	1.45	0.102	1.90	2.35	16.3
E 2019 STK1	E 2019 or KZ 05-07	1.50	0.102	1.95	2.40	18.1
E 1819 STK1	E 1819 or KZ 05-08	1.75	0.127	2.30	2.85	27.4
E 1619 STK1	E 1619 or KZ 05-09	2.10	0.127	2.65	3.20	36.1
E 1419 STK1	E 1419	2.35	0.127	2.90	3.45	38.4
E 1219 STK1	E 1219	2.85	0.127	3.40	4.05	54.0

SHIELDED JACKETED TWISTED PAIRS

TYPE E xxxx STK 2 SPC or SPCA

-90°C / +200°C

PTFE / FEP

600 Volts AC

SPECIFICATIONS

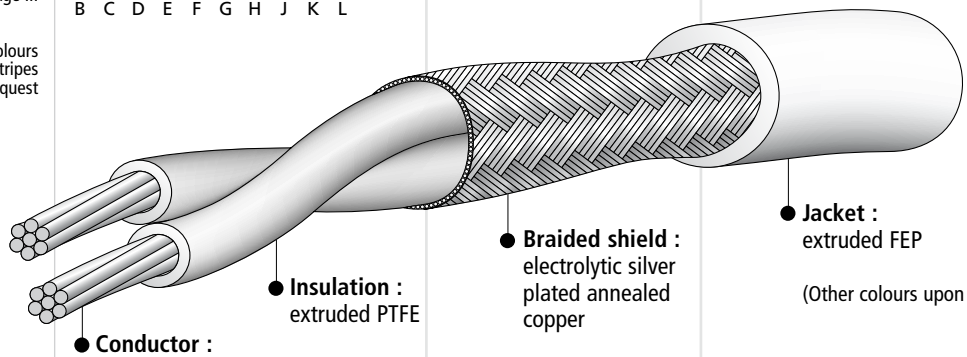
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L — L



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
E 3407 STK2	E 3407 SCA	0.70	0.102	1.85	2.30	9.30
E 3207 STK2	E 3207 or KZ 05-01	0.75	0.102	1.95	2.40	10.6
E 3007 STK2	E 3207 or KZ 05-02	0.80	0.102	2.05	2.60	13.4
E 2807 STK2	E 2807 or KZ 05-03	0.90	0.102	2.25	2.80	14.7
E 2607 STK2	E 2607 or KZ 05-04	1.00	0.127	2.55	3.10	20.0
E 2619 STK2	E 2619	1.00	0.127	2.55	3.10	19.2
E 2407 STK2	E 2407 or KZ 05-05	1.10	0.127	2.75	3.30	22.5
E 2419 STK2	E 2419	1.15	0.127	2.85	3.40	21.9
E 2207 STK2	E 2207 or KZ 05-06	1.25	0.127	3.05	3.70	29.5
E 2219 STK2	E 2219	1.30	0.127	3.15	3.80	28.9
E 2007 STK2	E 2007	1.45	0.127	3.45	4.10	33.4
E 2019 STK2	E 2019 or KZ 05-07	1.50	0.127	3.55	4.20	37.3
E 1819 STK2	E 1819 or KZ 05-08	1.75	0.127	4.05	4.80	51.0
E 1619 STK2	E 1619 or KZ 05-09	2.10	0.127	4.75	5.50	66.5
E 1419 STK2	E 1419	2.35	0.127	5.25	6.10	75.1
E 1219 STK2	E 1219	2.85	0.127	6.25	7.20	104.2

SHIELDED JACKETED TWISTED TRIPLES

TYPE E xxxx STK 3 SPC or SPCA

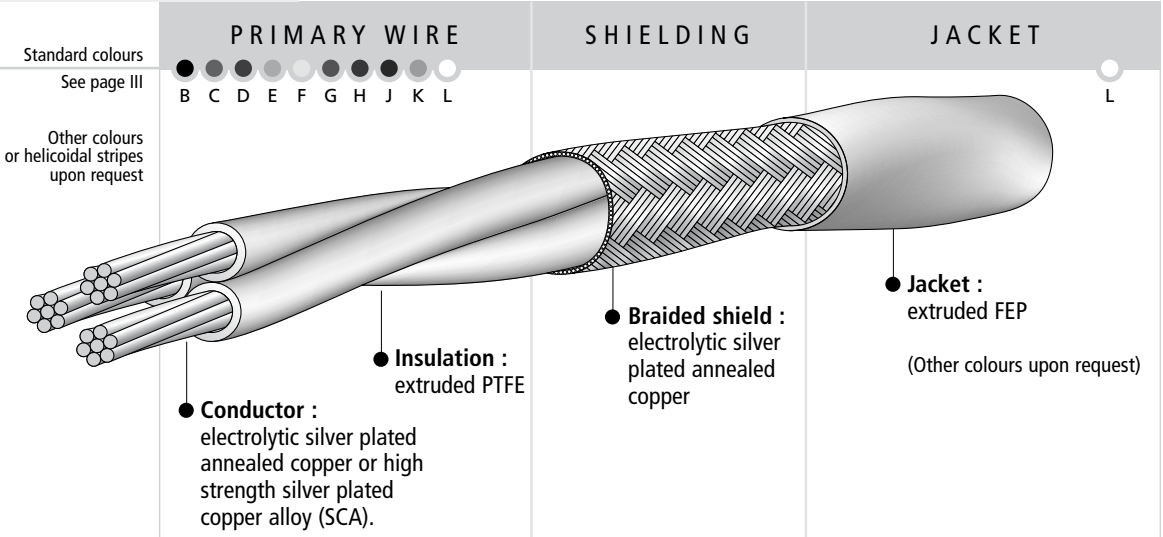
-90°C / +200°C

PTFE / FEP

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
E 3407 STK3	E 3407 SCA	0.70	0.102	1.95	2.40	12.2
E 3207 STK3	E 3207 or KZ 05-01	0.75	0.127	2.20	2.75	18.3
E 3007 STK3	E 3007 or KZ 05-02	0.80	0.127	2.30	2.85	19.9
E 2807 STK3	E 2807 or KZ 05-03	0.90	0.127	2.50	3.05	21.6
E 2607 STK3	E 2607 or KZ 05-04	1.00	0.127	2.70	3.25	26.3
E 2619 STK3	E 2619	1.00	0.127	2.70	3.25	25.1
E 2407 STK3	E 2407 or KZ 05-05	1.10	0.127	2.95	3.50	30.5
E 2419 STK3	E 2419	1.15	0.127	3.05	3.70	30.8
E 2207 STK3	E 2207 or KZ 05-06	1.25	0.127	3.25	3.90	39.3
E 2219 STK3	E 2219	1.30	0.127	3.35	4.00	38.2
E 2007 STK3	E 2007	1.45	0.127	3.70	4.35	45.3
E 2019 STK3	E 2019 or KZ 05-07	1.50	0.127	3.80	4.45	52.7
E 1819 STK3	E 1819 or KZ 05-08	1.75	0.127	4.35	5.10	71.9
E 1619 STK3	E 1619 or KZ 05-09	2.10	0.127	5.10	5.90	94.7
E 1419 STK3	E 1419	2.35	0.127	5.60	6.45	105.3
E 1219 STK3	E 1219	2.85	0.127	6.70	7.65	148.2

SHIELDED JACKETED TWISTED QUADS

TYPE E xxxx STK 4 SPC or SPCA

-90°C / +200°C

PTFE / FEP

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116	ASTM-D-4895	
Insulated wire :	NF-C-93523	NEMA-HP3	
Cable :	NEMA-WC27500		

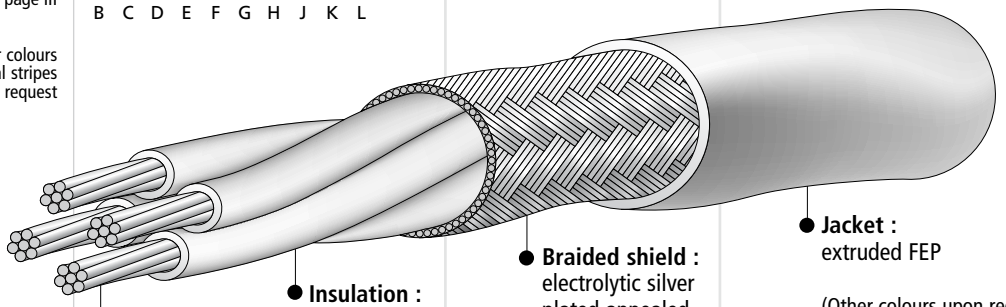
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



Conductor : electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Insulation : extruded PTFE

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
E 3407 STK4	E 3407 SCA	0.70	0.127	2.25	2.80	18.1
E 3207 STK4	E 3207 or KZ 05-01	0.75	0.127	2.35	2.90	20.0
E 3007 STK4	E 3007 or KZ 05-02	0.80	0.127	2.50	3.05	22.3
E 2807 STK4	E 2807 or KZ 05-03	0.90	0.127	2.75	3.30	27.0
E 2607 STK4	E 2607 or KZ 05-04	1.00	0.127	3.00	3.50	30.2
E 2619 STK4	E 2619	1.00	0.127	3.00	3.50	28.6
E 2407 STK4	E 2407 or KZ 05-05	1.10	0.127	3.20	3.85	38.5
E 2419 STK4	E 2419	1.15	0.127	3.35	4.00	37.6
E 2207 STK4	E 2207 or KZ 05-06	1.25	0.127	3.60	4.20	46.1
E 2219 STK4	E 2219	1.30	0.127	3.70	4.35	45.1
E 2007 STK4	E 2007	1.45	0.127	4.05	4.80	57.3
E 2019 STK4	E 2019 or KZ 05-07	1.50	0.127	4.20	4.90	64.4
E 1819 STK4	E 1819 or KZ 05-08	1.75	0.127	4.80	5.50	86.3
E 1619 STK4	E 1619 or KZ 05-09	2.10	0.127	5.60	6.45	119.7
E 1419 STK4	E 1419	2.35	0.127	6.20	7.15	131.4
E 1219 STK4	E 1219	2.85	0.127	7.45	8.50	189.0

SHIELDED JACKETED SINGLE CORE CABLES

TYPE EE xxxx STK 1 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NEMA-WC27500	

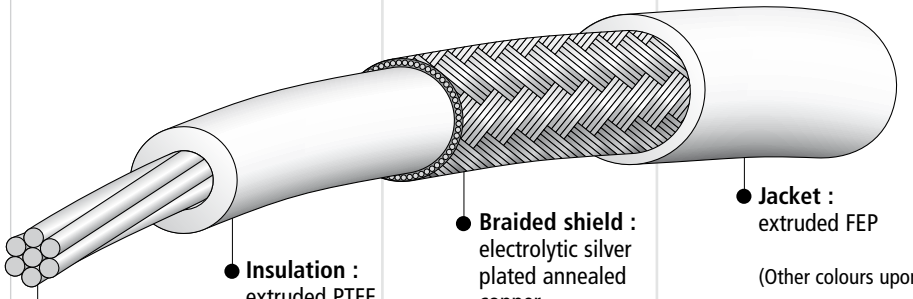
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



Conductor :
electrolytic silver plated annealed copper

Insulation :
extruded PTFE

Braided shield :
electrolytic silver plated annealed copper

Jacket :
extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
EE 3207 STK1	EE 3207 or KZ 06-01	1.00	0.102	1.45	1.90	9.10
EE 3007 STK1	EE 3007 or KZ 06-02	1.05	0.102	1.50	1.95	9.60
EE 2807 STK1	EE 2807 or KZ 06-03	1.10	0.102	1.55	2.00	10.4
EE 2607 STK1	EE 2607 or KZ 06-04	1.25	0.102	1.70	2.15	12.9
EE 2619 STK1	EE 2619	1.25	0.102	1.70	2.15	12.0
EE 2407 STK1	EE 2407 or KZ 06-05	1.35	0.102	1.80	2.25	14.2
EE 2419 STK1	EE 2419	1.35	0.102	1.80	2.25	13.3
EE 2207 STK1	EE 2207 or KZ 06-06	1.50	0.102	1.95	2.40	16.3
EE 2219 STK1	EE 2219	1.50	0.102	1.95	2.40	15.2
EE 2007 STK1	EE 2007	1.70	0.127	2.25	2.80	21.8
EE 2019 STK1	EE 2019 or KZ 06-07	1.75	0.127	2.30	2.80	23.8
EE 1819 STK1	EE 1819 or KZ 06-08	2.00	0.127	2.55	3.10	30.0
EE 1619 STK1	EE 1619 or KZ 06-09	2.25	0.127	2.80	3.35	37.4
EE 1419 STK1	EE 1419	2.60	0.127	3.15	3.80	43.2
EE 1219 STK1	EE 1219	3.10	0.127	3.65	4.30	58.6

SHIELDED JACKETED TWISTED PAIRS

TYPE EE xxxx STK 2 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NEMA-WC27500	

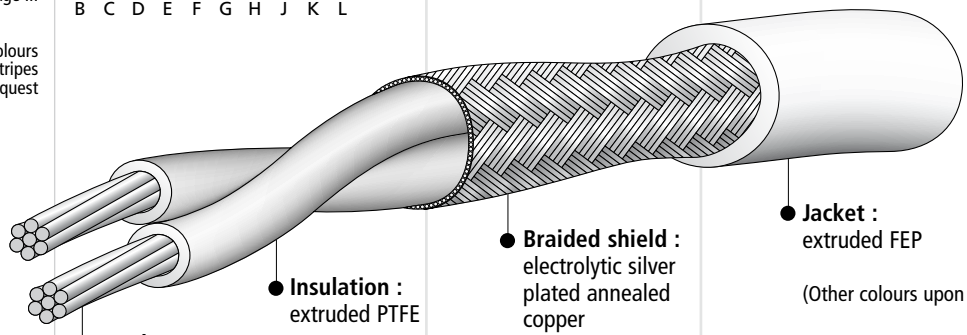
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



● **Conductor :** electrolytic silver plated annealed copper

● **Insulation :** extruded PTFE

● **Braided shield :** electrolytic silver plated annealed copper

● **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
EE 3207 STK2	EE 3207 or KZ 06-01	1.00	0.127	2.55	3.10	18.4
EE 3007 STK2	EE 3007 or KZ 06-02	1.05	0.127	2.65	3.20	19.7
EE 2807 STK2	EE 2807 or KZ 06-03	1.10	0.127	2.75	3.30	20.9
EE 2607 STK2	EE 2607 or KZ 06-04	1.25	0.127	3.05	3.70	26.3
EE 2619 STK2	EE 2619	1.25	0.127	3.05	3.70	24.5
EE 2407 STK2	EE 2407 or KZ 06-05	1.35	0.127	3.25	3.90	29.1
EE 2419 STK2	EE 2419	1.35	0.127	3.25	3.90	27.3
EE 2207 STK2	EE 2207 or KZ 06-06	1.50	0.127	3.55	4.20	33.7
EE 2219 STK2	EE 2219	1.50	0.127	3.55	4.20	31.4
EE 2007 STK2	EE 2007	1.70	0.127	3.95	4.60	38.4
EE 2019 STK2	EE 2019 or KZ 06-07	1.75	0.127	4.05	4.80	44.8
EE 1819 STK2	EE 1819 or KZ 06-08	2.00	0.127	4.55	5.30	58.0
EE 1619 STK2	EE 1619 or KZ 06-09	2.25	0.127	5.05	5.90	73.0
EE 1419 STK2	EE 1419	2.60	0.127	5.75	6.60	83.9
EE 1219 STK2	EE 1219	3.10	0.127	6.75	7.70	116.4

SHIELDED JACKETED TWISTED TRIPLES

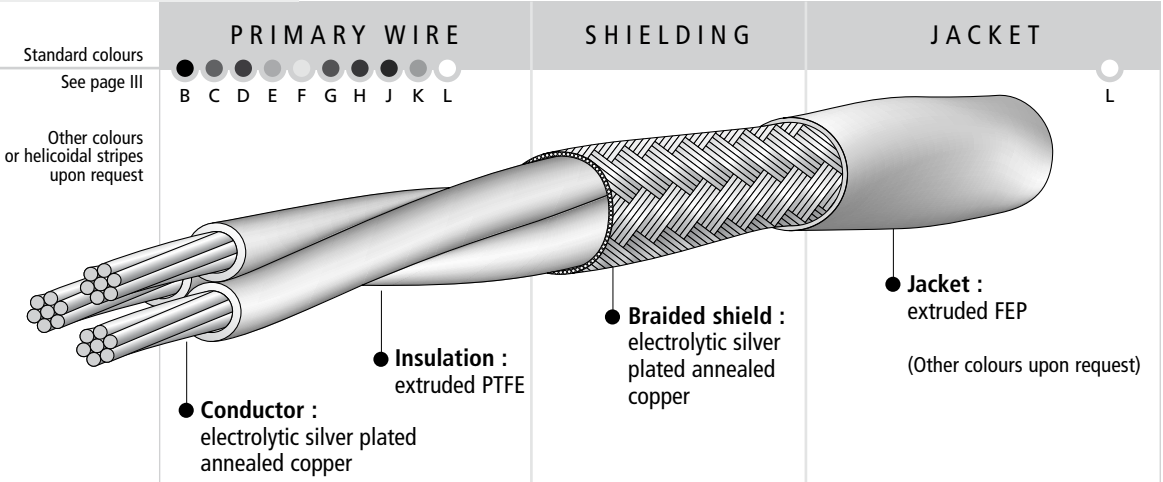
TYPE EE xxxx STK 3 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NEMA-WC27500	



AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
EE 3207 STK3	EE 3207 or KZ 06-01	1.00	0.127	2.70	3.25	23.9
EE 3007 STK3	EE 3007 or KZ 06-02	1.05	0.127	2.80	3.35	25.2
EE 2807 STK3	EE 2807 or KZ 06-03	1.10	0.127	2.95	3.45	27.5
EE 2607 STK3	EE 2607 or KZ 06-04	1.25	0.127	3.25	3.90	34.5
EE 2619 STK3	EE 2619	1.25	0.127	3.25	3.90	31.8
EE 2407 STK3	EE 2407 or KZ 06-05	1.35	0.127	3.45	4.10	38.5
EE 2419 STK3	EE 2419	1.35	0.127	3.45	4.10	35.8
EE 2207 STK3	EE 2207 or KZ 06-06	1.50	0.127	3.80	4.45	47.3
EE 2219 STK3	EE 2219	1.50	0.127	3.80	4.45	43.9
EE 2007 STK3	EE 2007	1.70	0.127	4.20	4.95	52.5
EE 2019 STK3	EE 2019 or KZ 06-07	1.75	0.127	4.35	5.05	61.7
EE 1819 STK3	EE 1819 or KZ 06-08	2.00	0.127	4.85	5.60	80.4
EE 1619 STK3	EE 1619 or KZ 06-09	2.25	0.127	5.40	6.25	100.2
EE 1419 STK3	EE 1419	2.60	0.127	6.15	7.10	117.9
EE 1219 STK3	EE 1219	3.10	0.127	7.25	8.25	164.4

SHIELDED JACKETED TWISTED QUADS

TYPE EE xxxx STK 4 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

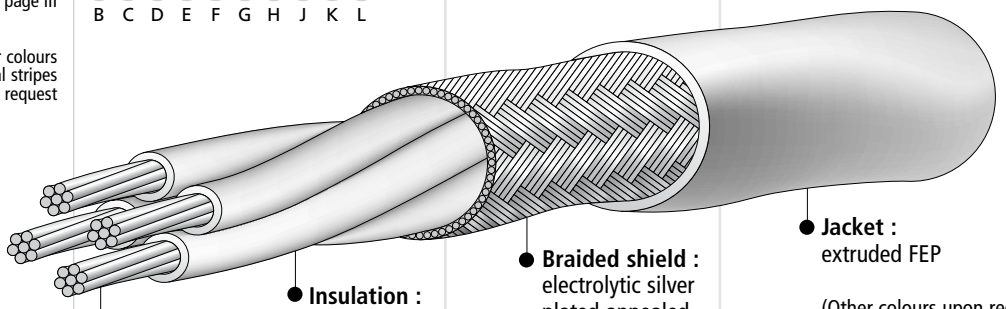
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NEMA-WC27500	

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — SHIELDING — JACKET

B C D E F G H J K L — L



Conductor : electrolytic silver plated annealed copper

Insulation : extruded PTFE

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
EE 3207 STK4	EE 3207 or KZ 06-01	1.00	0.127	3.00	3.50	27.0
EE 3007 STK4	EE 3007 or KZ 06-02	1.05	0.127	3.10	3.75	30.5
EE 2807 STK4	EE 2807 or KZ 06-03	1.10	0.127	3.20	3.85	35.3
EE 2607 STK4	EE 2607 or KZ 06-04	1.25	0.127	3.60	4.20	39.7
EE 2619 STK4	EE 2619	1.25	0.127	3.60	4.20	36.1
EE 2407 STK4	EE 2407 or KZ 06-05	1.35	0.127	3.80	4.45	47.0
EE 2419 STK4	EE 2419	1.35	0.127	3.80	4.45	43.4
EE 2207 STK4	EE 2207 or KZ 06-06	1.50	0.127	4.20	4.90	57.2
EE 2219 STK4	EE 2219	1.50	0.127	4.20	4.90	52.6
EE 2007 STK4	EE 2007	1.70	0.127	4.65	5.40	64.4
EE 2019 STK4	EE 2019 or KZ 06-07	1.75	0.127	4.80	5.50	73.9
EE 1819 STK4	EE 1819 or KZ 06-08	2.00	0.127	5.40	6.25	101.2
EE 1619 STK4	EE 1619 or KZ 06-09	2.25	0.127	6.00	6.85	126.0
EE 1419 STK4	EE 1419	2.60	0.127	6.85	7.80	148.3
EE 1219 STK4	EE 1219	3.10	0.127	8.05	9.10	209.2

SHIELDED JACKETED SINGLE CORE CABLES

TYPE KZ 55, ET xxxx H STK 1 SPC

-90°C / +200°C

PTFE / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

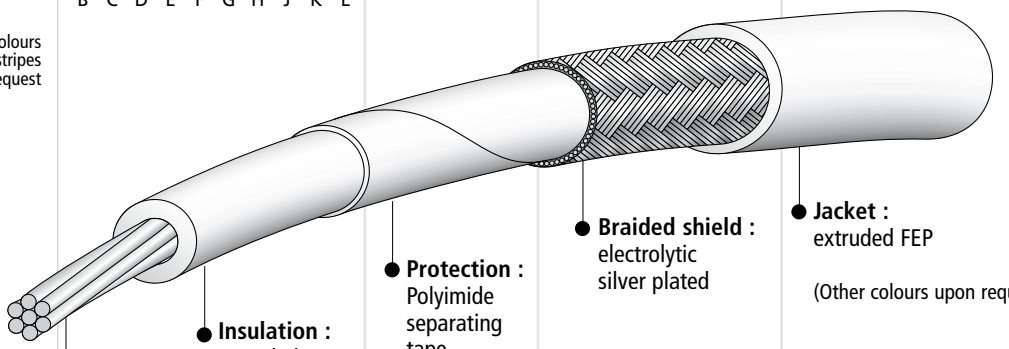
PRIMARY WIRE	PROTECTION	SHIELDING	JACKET

Standard colours
See page III

B C D E F G H J K L

L

Other colours or helicoidal stripes upon request



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Protection :** Polyimide separating tape
- **Braided shield :** electrolytic silver plated
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	NF REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 2607 H STK1	KZ 55-04	ET 2607 or KZ 04-04	0.80	0.102	1.30	1.85	9.60
ET 2407 H STK1	KZ 55-05	ET 2407 or KZ 04-05	0.93	0.102	1.45	1.97	10.8
ET 2207 H STK1	KZ 55-06	ET 2207 or KZ 04-06	1.10	0.102	1.60	2.12	12.6
ET 2019 H STK1	KZ 55-07	ET 2019 or KZ 04-07	1.33	0.102	1.85	2.40	18.1

SHIELDED JACKETED TWISTED PAIRS

TYPE KZ 67, ET xxxx H STK 2 SPC

-90°C / +200°C

PTFE / FEP
250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

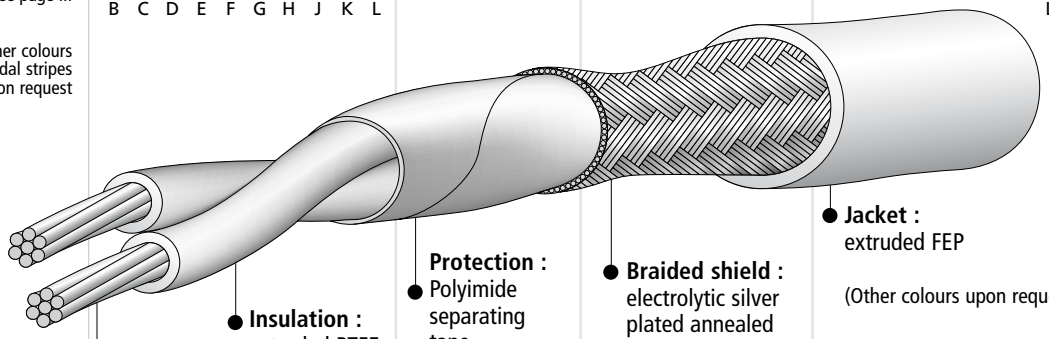
PRIMARY WIRE	PROTECTION	SHIELDING	JACKET

Standard colours
See page III

B C D E F G H J K L

L

Other colours or helicoidal stripes upon request



Conductor : electrolytic silver plated annealed copper

Insulation : extruded PTFE

Protection : Polyimide separating tape

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	NF REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 3207 H STK2	KZ 67-01	ET 3207 or KZ 04-01	0.57	0.102	1.65	2.11	8.90
ET 3007 H STK2	KZ 67-02	ET 3007 or KZ 04-02	0.62	0.102	1.75	2.27	10.2
ET 2807 H STK2	KZ 67-03	ET 2807 or KZ 04-03	0.70	0.102	1.90	2.41	11.6
ET 2607 H STK2	KZ 67-04	ET 2607 or KZ 04-04	0.80	0.102	2.10	2.63	14.4
ET 2407 H STK2	KZ 67-05	ET 2407 or KZ 04-05	0.93	0.127	2.45	3.02	20.4
ET 2207 H STK2	KZ 67-06	ET 2207 or KZ 04-06	1.10	0.127	2.80	3.32	23.8
ET 2019 H STK2	KZ 67-07	ET 2019 or KZ 04-07	1.33	0.127	3.25	3.90	34.7

SHIELDED TWISTED TRIPLES

TYPE KZ 79, ET xxxx H STK 3 SPC

-90°C / +200°C

PTFE / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

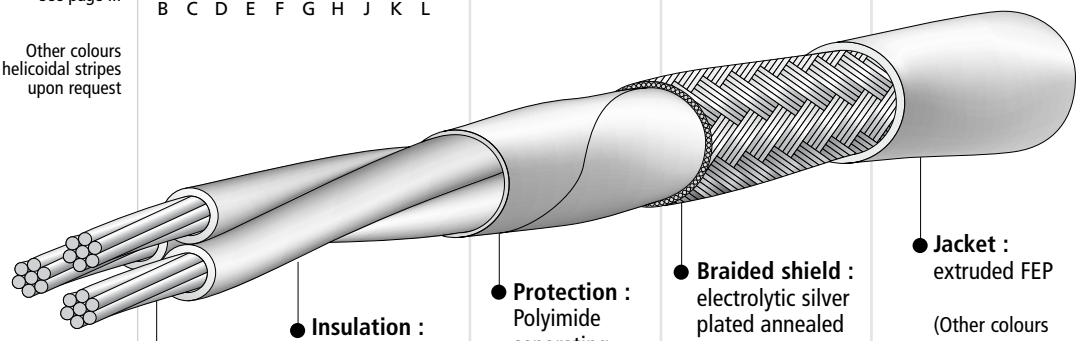
PRIMARY WIRE	PROTECTION	SHIELDING	JACKET

Standard colours
See page III

B C D E F G H J K L

L

Other colours or helicoidal stripes upon request



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Protection :** Polyimide separating tape
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	NF REFERENCE	Primary wire reference (see page 2)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ET 3207 H STK3	KZ 79-01	ET 3207 or KZ 04-01	0.57	0.102	1.75	2.19	10.6
ET 3007 H STK3	KZ 79-02	ET 3007 or KZ 04-02	0.62	0.102	1.85	2.36	13.4
ET 2807 H STK3	KZ 79-03	ET 2807 or KZ 04-03	0.70	0.102	2.00	2.51	14.9
ET 2607 H STK3	KZ 79-04	ET 2607 or KZ 04-04	0.80	0.127	2.35	2.90	21.4
ET 2407 H STK3	KZ 79-05	ET 2407 or KZ 04-05	0.93	0.127	2.60	3.15	26.7
ET 2207 H STK3	KZ 79-06	ET 2207 or KZ 04-06	1.10	0.127	2.95	3.48	31.9
ET 2019 H STK3	KZ 79-07	ET 2019 or KZ 04-07	1.33	0.127	3.45	4.10	46.6

SHIELDED JACKETED SINGLE CORE CABLES

TYPE KZ 57, E xxxx STK 1 SPC

-90°C / +200°C

PTFE / FEP

600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

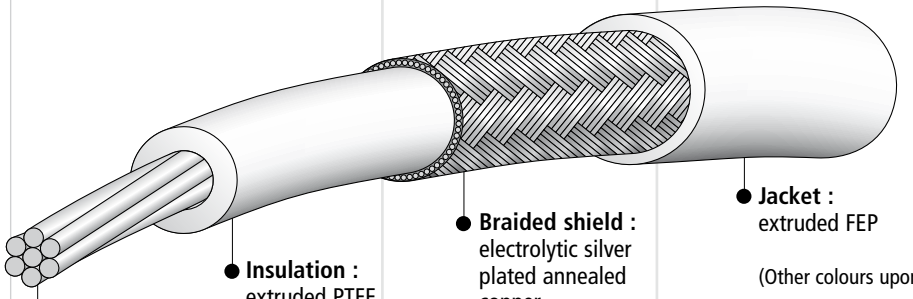
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KZ 57-01	E 3207 or KZ 05-01	0.75	0.102	1.20	1.72	8.20
KZ 57-02	E 3007 or KZ 05-02	0.80	0.102	1.25	1.79	8.80
KZ 57-03	E 2807 or KZ 05-03	0.90	0.102	1.35	1.88	9.50
KZ 57-04	E 2607 or KZ 05-04	1.00	0.102	1.45	1.98	10.4
KZ 57-05	E 2407 or KZ 05-05	1.10	0.102	1.55	2.11	12.1
KZ 57-06	E 2207 or KZ 05-06	1.25	0.102	1.70	2.25	16.2
KZ 57-07	E 2019 or KZ 05-07	1.50	0.127	2.05	2.65	22.7
KZ 57-08	E 1819 or KZ 05-08	1.75	0.127	2.30	2.93	28.2
KZ 57-09	E 1619 or KZ 05-09	2.10	0.127	2.65	3.23	36.4
KZ 57-10	RE 1427 or KZ 05-10	2.40	0.127	2.95	3.61	45.1
KZ 57-11	RE 1245 or KZ 05-11	3.00	0.127	3.55	4.19	63.8

SHIELDED JACKETED TWISTED PAIRS

TYPE KZ 69, E xxxx STK 2 SPC

-90°C / +200°C

PTFE / FEP
600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

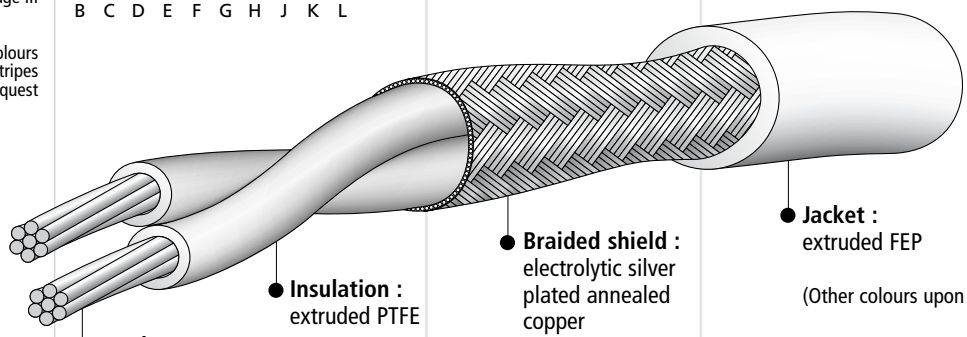
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KZ 69-01	E 3207 or KZ 05-01	0.75	0.102	1.95	2.46	11.0
KZ 69-02	E 3007 or KZ 05-02	0.80	0.102	2.05	2.60	13.4
KZ 69-03	E 2807 or KZ 05-03	0.90	0.102	2.25	2.78	14.5
KZ 69-04	E 2607 or KZ 05-04	1.00	0.127	2.55	3.13	20.3
KZ 69-05	E 2407 or KZ 05-05	1.10	0.127	2.75	3.39	23.4
KZ 69-06	E 2207 or KZ 05-06	1.25	0.127	3.05	3.67	29.3
KZ 69-07	E 2019 or KZ 05-07	1.50	0.127	3.55	4.17	36.9
KZ 69-08	E 1819 or KZ 05-08	1.75	0.127	4.05	4.73	49.9
KZ 69-09	E 1619 or KZ 05-09	2.10	0.127	4.75	5.51	66.7
KZ 69-10	RE 1427 or KZ 05-10	2.45	0.127	5.45	6.27	33.1
KZ 69-11	RE 1245 or KZ 05-11	3.05	0.127	6.65	7.43	40.7

SHIELDED JACKETED TWISTED TRIPLES

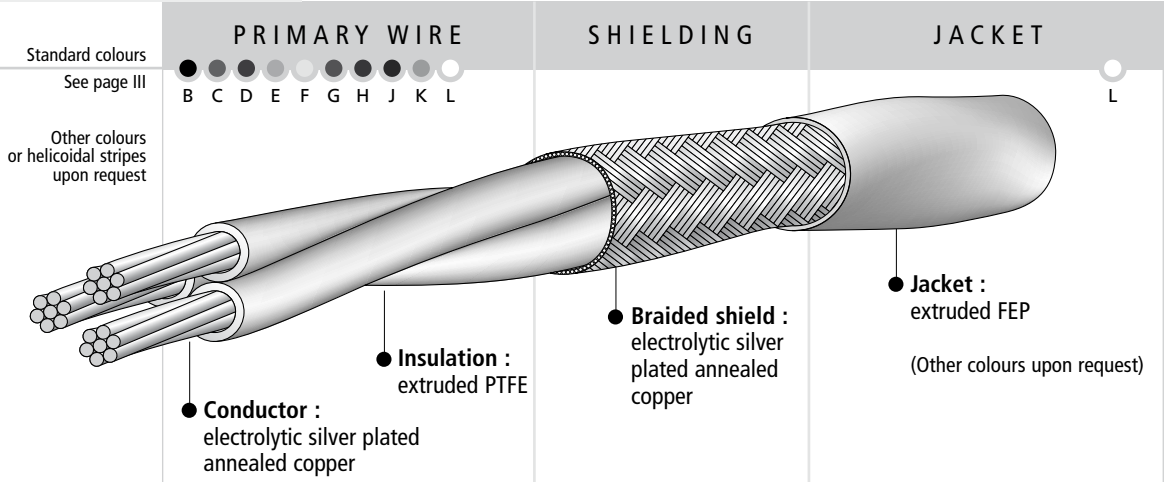
TYPE KZ 81, E xxxx STK 3 SPC

-90°C / +200°C

PTFE / FEP
600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500



AXON' REFERENCE	Primary wire reference (see page 3)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KZ 81-01	E 3207 or KZ 05-01	0.75	0.102	2.10	2.57	14.3
KZ 81-02	E 3007 or KZ 05-02	0.80	0.127	2.30	2.87	20.1
KZ 81-03	E 2807 or KZ 05-03	0.90	0.127	2.50	3.07	21.8
KZ 81-04	E 2607 or KZ 05-04	1.00	0.127	2.70	3.28	26.7
KZ 81-05	E 2407 or KZ 05-05	1.10	0.127	2.95	3.56	31.2
KZ 81-06	E 2207 or KZ 05-06	1.25	0.127	3.25	3.86	39.0
KZ 81-07	E 2019 or KZ 05-07	1.50	0.127	3.80	4.40	52.0
KZ 81-08	E 1819 or KZ 05-08	1.75	0.127	4.35	5.18	73.3
KZ 81-09	E 1619 or KZ 05-09	2.10	0.127	5.10	5.83	93.3
KZ 81-10	RE 1427 or KZ 05-10	2.45	0.127	5.85	6.64	41.9
KZ 81-11	RE 1245 or KZ 05-11	3.05	0.127	7.10	7.89	48.2

SHIELDED JACKETED SINGLE CORE CABLES

TYPE KZ 59, EE xxxx STK 1 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

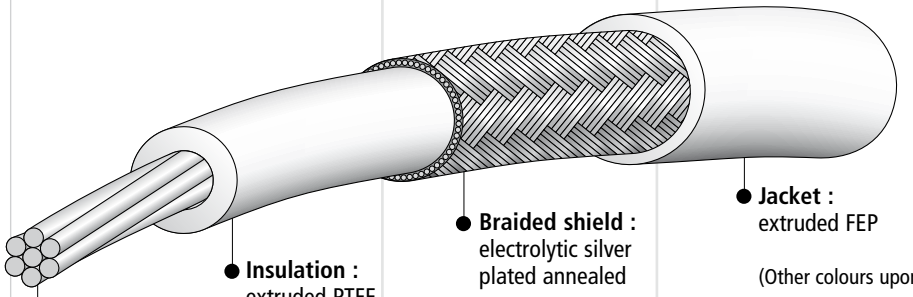
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

B C D E F G H J K L

L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KZ 59-01	EE 3207 or KZ 06-01	1.00	0.102	1.45	1.97	8.80
KZ 59-02	EE 3007 or KZ 06-02	1.05	0.102	1.50	2.03	9.45
KZ 59-03	EE 2807 or KZ 06-03	1.10	0.102	1.55	2.12	10.6
KZ 59-04	EE 2607 or KZ 06-04	1.25	0.102	1.70	2.22	11.9
KZ 59-05	EE 2407 or KZ 06-05	1.35	0.102	1.80	2.35	13.6
KZ 59-06	EE 2207 or KZ 06-06	1.50	0.127	2.05	2.65	18.2
KZ 59-07	EE 2019 or KZ 06-07	1.75	0.127	2.30	2.89	22.7
KZ 59-08	EE 1819 or KZ 06-08	2.00	0.127	2.55	3.18	29.2
KZ 59-09	EE 1619 or KZ 06-09	2.25	0.127	2.80	3.38	35.4
KZ 59-10	REE 1427 or KZ 06-10	2.70	0.127	3.25	3.84	46.8
KZ 59-11	REE 1245 or KZ 06-11	3.35	0.127	3.90	4.65	70.4

SHIELDED JACKETED TWISTED PAIRS

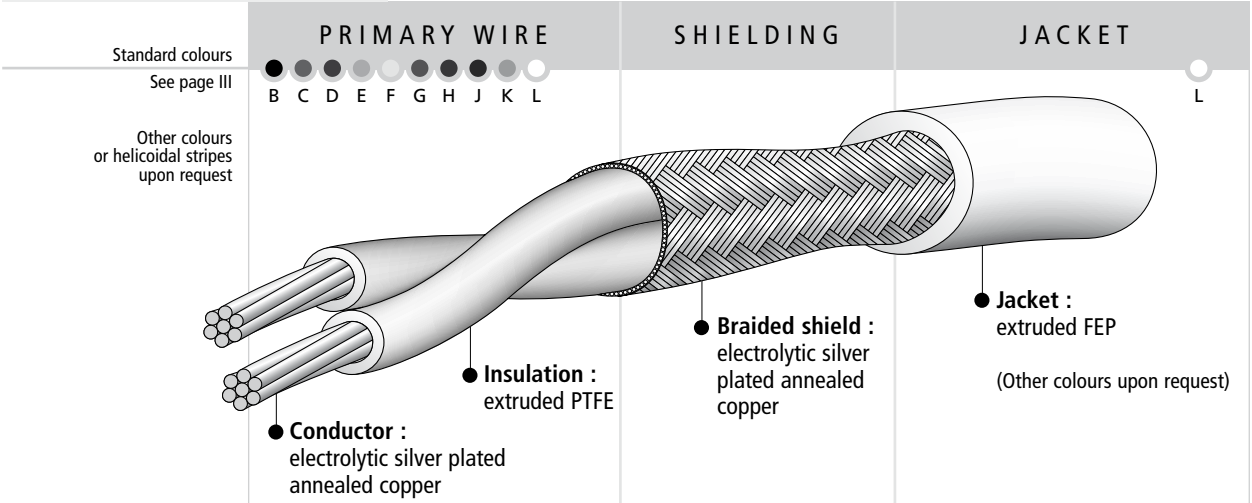
TYPE KZ 71, EE xxxx STK 2 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500



AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KZ 71-01	EE 3207 or KZ 06-01	1.00	0.127	2.55	3.11	18.5
KZ 71-02	EE 3007 or KZ 06-02	1.05	0.127	2.65	3.23	19.7
KZ 71-03	EE 2807 or KZ 06-03	1.10	0.127	2.75	3.41	22.1
KZ 71-04	EE 2607 or KZ 06-04	1.25	0.127	3.05	3.61	25.5
KZ 71-05	EE 2407 or KZ 06-05	1.35	0.127	3.25	3.87	28.7
KZ 71-06	EE 2207 or KZ 06-06	1.50	0.127	3.55	4.17	33.3
KZ 71-07	EE 2019 or KZ 06-07	1.75	0.127	4.05	4.65	42.6
KZ 71-08	EE 1819 or KZ 06-08	2.00	0.127	4.55	5.39	59.5
KZ 71-09	EE 1619 or KZ 06-09	2.25	0.127	5.05	5.81	71.4
KZ 71-10	REE 1427 or KZ 06-10	2.70	0.127	5.95	6.73	33.9
KZ 71-11	REE 1245 or KZ 06-11	3.35	0.127	7.25	7.99	39.1

SHIELDED JACKETED TWISTED TRIPLES

TYPE KZ 83, EE xxxx STK 3 SPC

-90°C / +200°C

PTFE / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93523	NEMA-HP3
Cable :	NF-C-93523	NEMA-WC27500

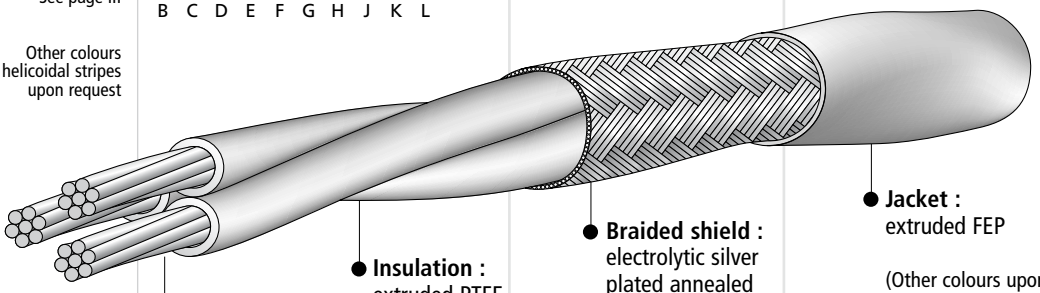
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — B C D E F G H J K L

SHIELDING

JACKET — L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 4)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KZ 83-01	EE 3207 or KZ 06-01	1.00	0.127	2.70	3.26	24.0
KZ 83-02	EE 3007 or KZ 06-02	1.05	0.127	2.80	3.39	25.7
KZ 83-03	EE 2807 or KZ 06-03	1.10	0.127	2.95	3.58	29.1
KZ 83-04	EE 2607 or KZ 06-04	1.25	0.127	3.25	3.80	33.2
KZ 83-05	EE 2407 or KZ 06-05	1.35	0.127	3.45	4.08	38.1
KZ 83-06	EE 2207 or KZ 06-06	1.50	0.127	3.80	4.40	46.6
KZ 83-07	EE 2019 or KZ 06-07	1.75	0.127	4.35	5.09	62.4
KZ 83-08	EE 1819 or KZ 06-08	2.00	0.127	4.85	5.70	82.4
KZ 83-09	EE 1619 or KZ 06-09	2.25	0.127	5.40	6.15	97.6
KZ 83-10	REE 1427 or KZ 06-10	2.70	0.127	6.35	7.14	41.0
KZ 83-11	REE 1245 or KZ 06-11	3.35	0.127	7.75	8.49	49.3

SHIELDED JACKETED SINGLE CORE CABLES

TYPE KT xxxx STK 1 SPC or SPCA

-90°C / +200°C

FEP / FEP

250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		

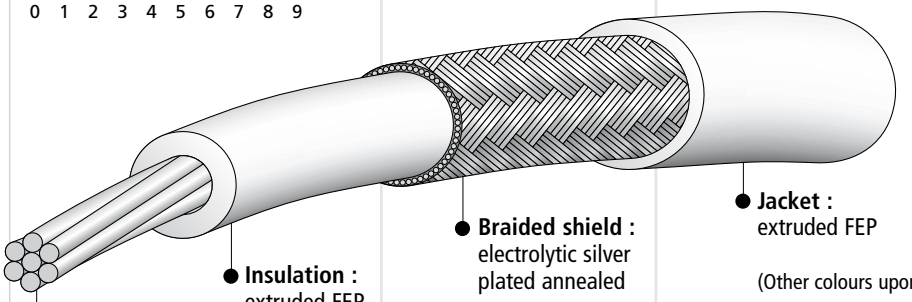
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9

9



● **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

● **Insulation :** extruded FEP

● **Braided shield :** electrolytic silver plated annealed copper

● **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 13)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KT 3601 STK1	KT 3601 SCA	0.45	0.063	0.73	1.05	3.00
KT 3607 STK1	KT 3607 SCA	0.48	0.063	0.75	1.10	3.10
KT 3401 STK1	KT 3401 SCA	0.50	0.063	0.75	1.10	3.20
KT 3407 STK1	KT 3407 SCA	0.50	0.063	0.80	1.10	3.20
KT 3201 STK1	KT 3201	0.50	0.063	0.80	1.10	3.30
KT 3207 STK1	KT 3207	0.57	0.063	0.85	1.20	3.70
KT 3001 STK1	KT 3001	0.56	0.063	0.85	1.20	3.60
KT 3007 STK1	KT 3007	0.62	0.063	0.90	1.25	4.10
KT 3019 STK1	KT 3019 SCA	0.62	0.063	0.95	1.25	4.00
KT 2801 STK1	KT 2801	0.65	0.063	0.95	1.25	4.00
KT 2807 STK1	KT 2807	0.70	0.063	1.00	1.30	5.00
KT 2819 STK1	KT 2819	0.70	0.063	1.00	1.30	5.00
KT 2601 STK1	KT 2601	0.72	0.063	1.00	1.30	5.00
KT 2607 STK1	KT 2607	0.80	0.079	1.15	1.60	6.70
KT 2619 STK1	KT 2619	0.82	0.079	1.20	1.60	6.50
KT 2401 STK1	KT 2401	0.83	0.079	1.20	1.65	7.10
KT 2407 STK1	KT 2407	0.93	0.102	1.40	1.85	10.0
KT 2419 STK1	KT 2419	0.95	0.102	1.40	1.85	9.60
KT 2201 STK1	KT 2201	0.95	0.102	1.40	1.85	10.4
KT 2207 STK1	KT 2207	1.10	0.102	1.55	2.00	11.7
KT 2219 STK1	KT 2219	1.13	0.102	1.60	2.05	11.5
KT 2001 STK1	KT 2001	1.13	0.102	1.60	2.05	12.7
KT 2007 STK1	KT 2007	1.25	0.102	1.70	2.15	13.6
KT 2019 STK1	KT 2019	1.33	0.102	1.80	2.25	16.8

SHIELDED JACKETED TWISTED PAIRS

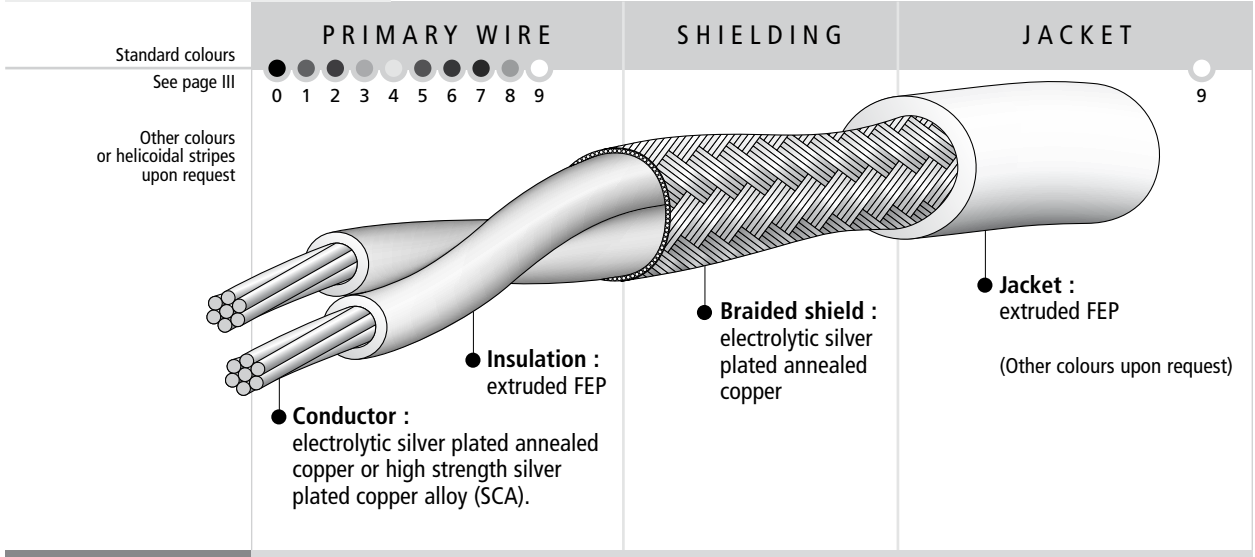
TYPE KT xxxx STK 2 SPC or SPCA

-90°C / +200°C

FEP / FEP
250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 14)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KT 3601 STK2	KT 3601 SCA	0.45	0.063	1.20	1.60	4.80
KT 3607 STK2	KT 3607 SCA	0.48	0.063	1.25	1.65	4.90
KT 3401 STK2	KT 3401 SCA	0.50	0.063	1.30	1.70	5.20
KT 3407 STK2	KT 3407 SCA	0.50	0.063	1.30	1.70	5.30
KT 3201 STK2	KT 3201	0.50	0.063	1.30	1.70	5.50
KT 3207 STK2	KT 3207	0.57	0.079	1.50	1.95	7.30
KT 3001 STK2	KT 3001	0.56	0.079	1.50	1.95	7.00
KT 3007 STK2	KT 3007	0.62	0.079	1.60	2.05	8.10
KT 3019 STK2	KT 3019 SCA	0.62	0.079	1.60	2.05	7.90
KT 2801 STK2	KT 2801	0.65	0.079	1.65	2.10	8.10
KT 2807 STK2	KT 2807	0.70	0.079	1.75	2.20	9.20
KT 2819 STK2	KT 2819	0.70	0.079	1.75	2.20	9.20
KT 2601 STK2	KT 2601	0.72	0.079	1.80	2.25	9.40
KT 2607 STK2	KT 2607	0.80	0.102	2.05	2.60	14.0
KT 2619 STK2	KT 2619	0.82	0.102	2.10	2.65	13.7
KT 2401 STK2	KT 2401	0.83	0.102	2.10	2.70	14.8
KT 2407 STK2	KT 2407	0.93	0.127	2.40	2.95	18.1
KT 2419 STK2	KT 2419	0.95	0.127	2.45	3.00	17.7
KT 2201 STK2	KT 2201	0.95	0.127	2.45	3.00	19.2
KT 2207 STK2	KT 2207	1.10	0.127	2.75	3.30	23.5
KT 2219 STK2	KT 2219	1.13	0.127	2.80	3.35	22.8
KT 2001 STK2	KT 2001	1.13	0.127	2.80	3.35	25.2
KT 2007 STK2	KT 2007	1.25	0.127	3.05	3.70	29.7
KT 2019 STK2	KT 2019	1.33	0.127	3.20	3.85	34.0

SHIELDED JACKETED TWISTED TRIPLES

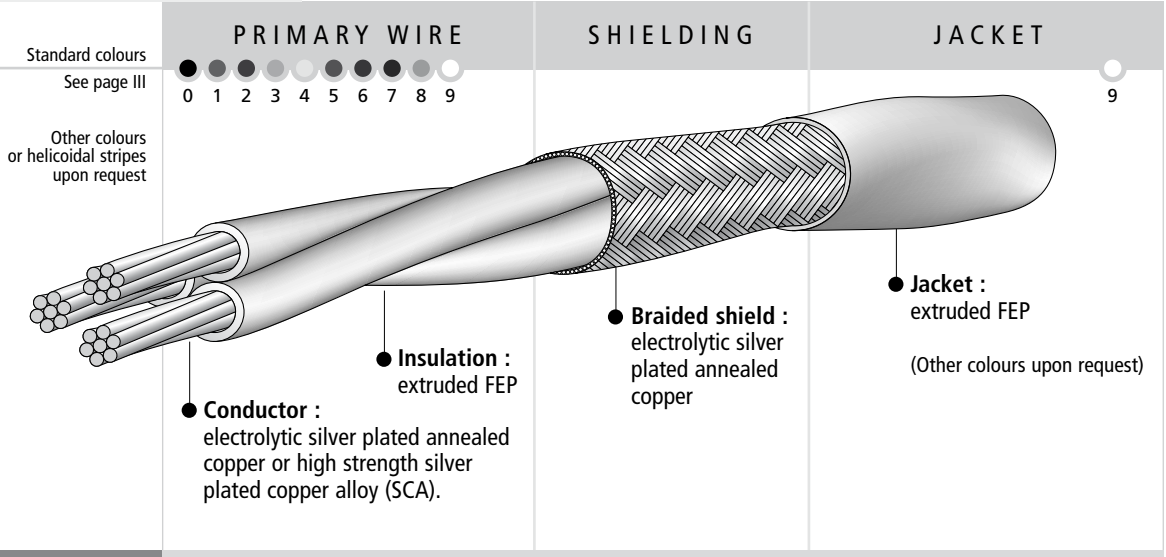
TYPE KT xxxx STK 3 SPC or SPCA

-90°C / +200°C

FEP / FEP
250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 14)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KT 3601 STK3	KT 3601 SCA	0.45	0.102	1.40	1.85	7.80
KT 3607 STK3	KT 3607 SCA	0.48	0.102	1.50	1.95	8.30
KT 3401 STK3	KT 3401 SCA	0.50	0.102	1.55	2.00	8.60
KT 3407 STK3	KT 3407 SCA	0.50	0.102	1.55	2.00	8.70
KT 3201 STK3	KT 3201	0.50	0.102	1.55	2.00	9.00
KT 3207 STK3	KT 3207	0.57	0.102	1.70	2.10	10.9
KT 3001 STK3	KT 3001	0.56	0.102	1.65	2.10	10.5
KT 3007 STK3	KT 3007	0.62	0.102	1.80	2.25	12.4
KT 3019 STK3	KT 3019 SCA	0.62	0.102	1.80	2.25	12.1
KT 2801 STK3	KT 2801	0.65	0.102	1.85	2.30	12.4
KT 2807 STK3	KT 2807	0.70	0.102	1.95	2.40	13.8
KT 2819 STK3	KT 2819	0.70	0.102	1.95	2.40	13.8
KT 2601 STK3	KT 2601	0.72	0.127	2.10	2.55	15.8
KT 2607 STK3	KT 2607	0.80	0.127	2.30	2.80	20.3
KT 2619 STK3	KT 2619	0.82	0.127	2.30	2.85	19.9
KT 2401 STK3	KT 2401	0.83	0.127	2.35	2.85	20.9
KT 2407 STK3	KT 2407	0.93	0.127	2.55	3.10	24.0
KT 2419 STK3	KT 2419	0.95	0.127	2.60	3.15	25.5
KT 2201 STK3	KT 2201	0.95	0.127	2.60	3.15	27.7
KT 2207 STK3	KT 2207	1.10	0.127	2.95	3.45	31.4
KT 2219 STK3	KT 2219	1.13	0.127	3.00	3.50	30.2
KT 2001 STK3	KT 2001	1.13	0.127	3.00	3.50	33.9
KT 2007 STK3	KT 2007	1.25	0.127	3.25	3.90	39.6
KT 2019 STK3	KT 2019	1.33	0.127	3.40	4.05	45.7

SHIELDED JACKETED TWISTED QUADS

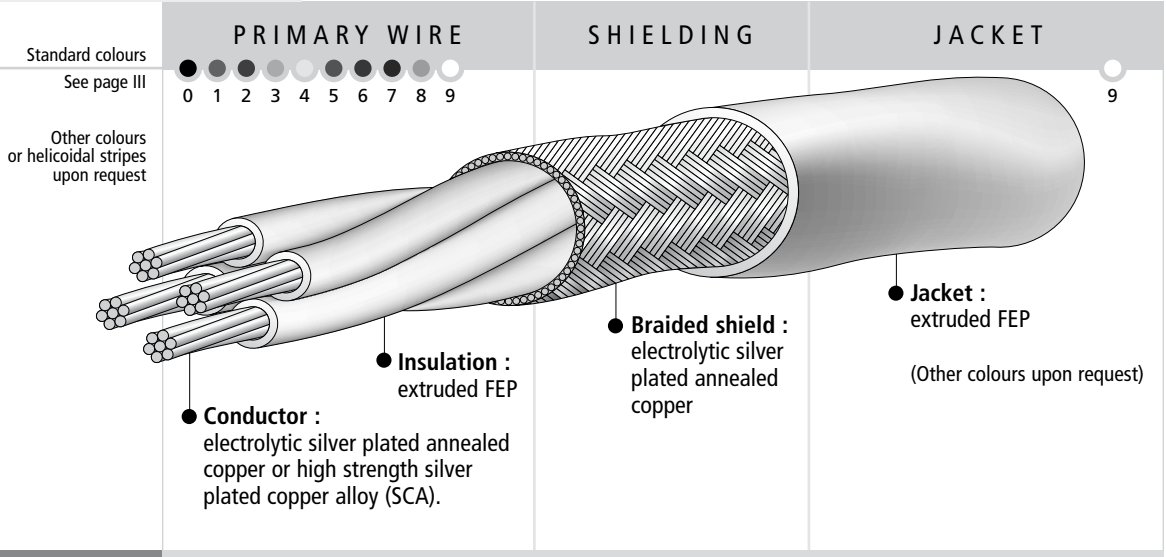
TYPE KT xxxx STK 4 SPC or SPCA

-90°C / +200°C

FEP / FEP
250 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 14)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KT 3601 STK4	KT 3601 SCA	0.45	0.102	1.55	2.00	8.70
KT 3607 STK4	KT 3607 SCA	0.48	0.102	1.60	2.05	8.80
KT 3401 STK4	KT 3401 SCA	0.50	0.102	1.65	2.10	10.6
KT 3407 STK4	KT 3407 SCA	0.50	0.102	1.65	2.10	10.7
KT 3201 STK4	KT 3201	0.50	0.102	1.65	2.10	11.1
KT 3207 STK4	KT 3207	0.57	0.102	1.85	2.25	12.1
KT 3001 STK4	KT 3001	0.56	0.102	1.80	2.25	11.6
KT 3007 STK4	KT 3007	0.62	0.102	1.95	2.40	13.9
KT 3019 STK4	KT 3019 SCA	0.62	0.102	1.95	2.40	13.5
KT 2801 STK4	KT 2801	0.65	0.127	2.10	2.65	16.4
KT 2807 STK4	KT 2807	0.70	0.127	2.25	2.80	20.3
KT 2819 STK4	KT 2819	0.70	0.127	2.25	2.80	20.3
KT 2601 STK4	KT 2601	0.72	0.127	2.30	2.85	20.6
KT 2607 STK4	KT 2607	0.80	0.127	2.50	3.05	23.5
KT 2619 STK4	KT 2619	0.82	0.127	2.55	3.10	22.8
KT 2401 STK4	KT 2401	0.83	0.127	2.55	3.10	24.3
KT 2407 STK4	KT 2407	0.93	0.127	2.80	3.35	30.0
KT 2419 STK4	KT 2419	0.95	0.127	2.85	3.40	29.1
KT 2201 STK4	KT 2201	0.95	0.127	2.85	3.40	32.1
KT 2207 STK4	KT 2207	1.10	0.127	3.20	3.85	40.5
KT 2219 STK4	KT 2219	1.13	0.127	3.30	3.95	39.5
KT 2001 STK4	KT 2001	1.13	0.127	3.30	3.95	44.5
KT 2007 STK4	KT 2007	1.25	0.127	3.60	4.25	47.3
KT 2019 STK4	KT 2019	1.33	0.127	3.75	4.40	56.7

SHIELDED JACKETED SINGLE CORE CABLES

TYPE K xxxx STK 1 SPC or SPCA

-90°C / +200°C

FEP / FEP
600 Volts AC

SPECIFICATIONS

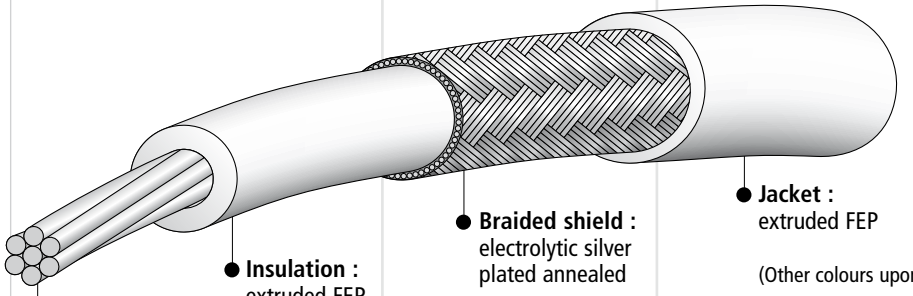
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9 — 9



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded FEP
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 15)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
K 3407 STK1	K 3407 SCA	0.70	0.079	1.05	1.50	5.40
K 3207 STK1	K 3207	0.75	0.079	1.10	1.55	5.90
K 3007 STK1	K 3007	0.80	0.102	1.25	1.70	8.30
K 2807 STK1	K 2807	0.90	0.102	1.35	1.80	9.00
K 2607 STK1	K 2607	1.00	0.102	1.45	1.90	9.90
K 2619 STK1	K 2619	1.00	0.102	1.45	1.90	9.50
K 2407 STK1	K 2407	1.10	0.102	1.55	2.00	11.2
K 2419 STK1	K 2419	1.15	0.102	1.60	2.05	10.9
K 2207 STK1	K 2207	1.25	0.102	1.70	2.15	14.5
K 2219 STK1	K 2219	1.30	0.102	1.75	2.20	14.0
K 2007 STK1	K 2007	1.45	0.102	1.90	2.35	16.3
K 2019 STK1	K 2019	1.50	0.102	1.95	2.40	18.1
K 1819 STK1	K 1819	1.75	0.127	2.30	2.85	27.4
K 1619 STK1	K 1619	2.10	0.127	2.65	3.20	36.1
K 1419 STK1	K 1419	2.35	0.127	2.90	3.45	38.4
K 1219 STK1	K 1219	2.85	0.127	3.40	4.05	54.0
K 1037 STK1	K 1037	3.35	0.127	3.90	4.55	81.7

SHIELDED JACKETED TWISTED PAIRS

TYPE K xxxx STK 2 SPC or SPCA

-90°C / +200°C

FEP / FEP
600 Volts AC

SPECIFICATIONS

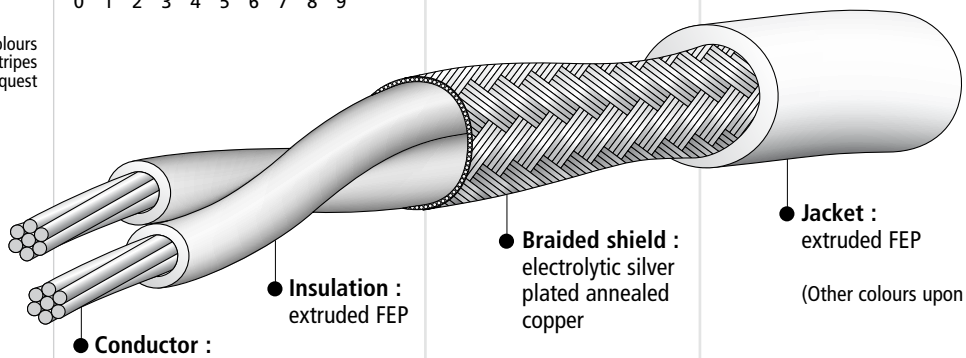
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9 — 9



- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).
- **Insulation :** extruded FEP
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 15)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
K 3407 STK2	K 3407 SCA	0.70	0.102	1.85	2.30	9.30
K 3207 STK2	K 3207	0.75	0.102	1.95	2.40	10.6
K 3007 STK2	K 3207	0.80	0.102	2.05	2.60	13.4
K 2807 STK2	K 2807	0.90	0.102	2.25	2.80	14.7
K 2607 STK2	K 2607	1.00	0.127	2.55	3.10	20.0
K 2619 STK2	K 2619	1.00	0.127	2.55	3.10	19.2
K 2407 STK2	K 2407	1.10	0.127	2.75	3.30	22.5
K 2419 STK2	K 2419	1.15	0.127	2.85	3.40	21.9
K 2207 STK2	K 2207	1.25	0.127	3.05	3.70	29.5
K 2219 STK2	K 2219	1.30	0.127	3.15	3.80	28.9
K 2007 STK2	K 2007	1.45	0.127	3.45	4.10	33.4
K 2019 STK2	K 2019	1.50	0.127	3.55	4.20	37.3
K 1819 STK2	K 1819	1.75	0.127	4.05	4.80	51.0
K 1619 STK2	K 1619	2.10	0.127	4.75	5.50	66.5
K 1419 STK2	K 1419	2.35	0.127	5.25	6.10	75.1
K 1219 STK2	K 1219	2.85	0.127	6.25	7.20	104.2
K 1037 STK2	K 1037	3.35	0.127	7.25	8.30	161.3

SHIELDED JACKETED TWISTED TRIPLES

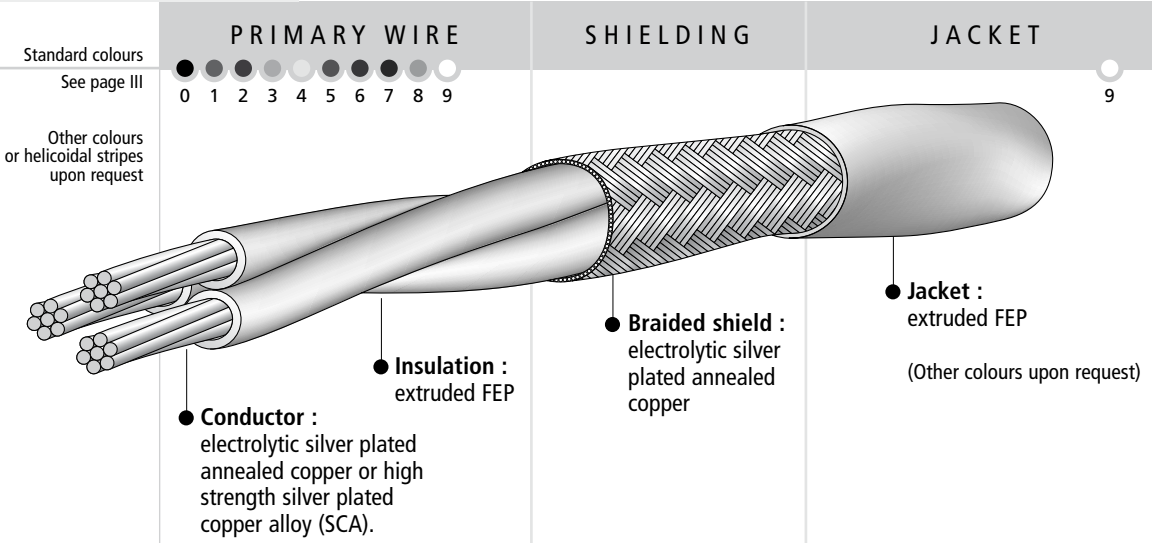
TYPE K xxxx STK 3 SPC or SPCA

-90°C / +200°C

FEP / FEP
600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		



AXON' REFERENCE	Primary wire reference (see page 15)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
K 3407 STK3	K 3407 SCA	0.70	0.102	1.95	2.40	12.2
K 3207 STK3	K 3207	0.75	0.127	2.20	2.75	18.3
K 3007 STK3	K 3007	0.80	0.127	2.30	2.85	19.9
K 2807 STK3	K 2807	0.90	0.127	2.50	3.05	21.6
K 2607 STK3	K 2607	1.00	0.127	2.70	3.25	26.3
K 2619 STK3	K 2619	1.00	0.127	2.70	3.25	25.1
K 2407 STK3	K 2407	1.10	0.127	2.95	3.50	30.5
K 2419 STK3	K 2419	1.15	0.127	3.05	3.70	30.8
K 2207 STK3	K 2207	1.25	0.127	3.25	3.90	39.3
K 2219 STK3	K 2219	1.30	0.127	3.35	4.00	38.2
K 2007 STK3	K 2007	1.45	0.127	3.70	4.35	45.3
K 2019 STK3	K 2019	1.50	0.127	3.80	4.45	52.7
K 1819 STK3	K 1819	1.75	0.127	4.35	5.10	71.9
K 1619 STK3	K 1619	2.10	0.127	5.10	5.90	94.7
K 1419 STK3	K 1419	2.35	0.127	5.60	6.45	105.3
K 1219 STK3	K 1219	2.85	0.127	6.70	7.65	148.2
K 1037 STK3	K 1037	3.35	0.127	7.75	8.80	231.3

SHIELDED JACKETED TWISTED QUADS

TYPE K xxxx STK 4 SPC or SPCA

-90°C / +200°C

FEP / FEP
600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-2116		
Insulated wire :	NEMA-HP4		
Cable :	NEMA-WC27500		

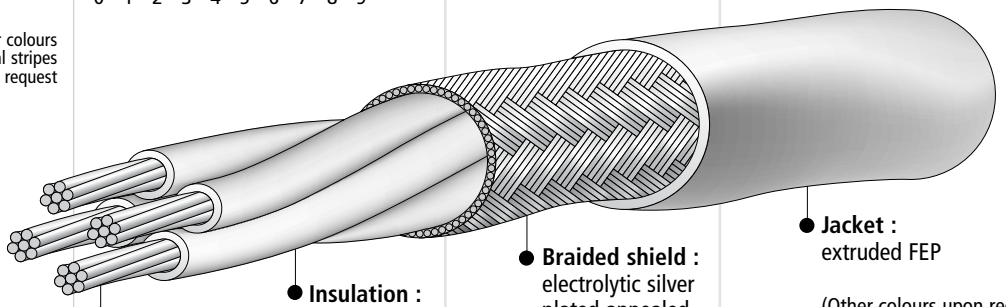
PRIMARY WIRE | SHIELDING | JACKET

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

9

Other colours or helicoidal stripes upon request



Conductor : electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

Insulation : extruded FEP

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 15)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
K 3407 STK4	K 3407 SCA	0.70	0.127	2.25	2.80	18.1
K 3207 STK4	K 3207	0.75	0.127	2.35	2.90	20.0
K 3007 STK4	K 3007	0.80	0.127	2.50	3.05	22.3
K 2807 STK4	K 2807	0.90	0.127	2.75	3.30	27.0
K 2607 STK4	K 2607	1.00	0.127	3.00	3.50	30.2
K 2619 STK4	K 2619	1.00	0.127	3.00	3.50	28.6
K 2407 STK4	K 2407	1.10	0.127	3.20	3.85	38.5
K 2419 STK4	K 2419	1.15	0.127	3.35	4.00	37.6
K 2207 STK4	K 2207	1.25	0.127	3.60	4.20	46.1
K 2219 STK4	K 2219	1.30	0.127	3.70	4.35	45.1
K 2007 STK4	K 2007	1.45	0.127	4.05	4.80	57.3
K 2019 STK4	K 2019	1.50	0.127	4.20	4.90	64.4
K 1819 STK4	K 1819	1.75	0.127	4.80	5.50	86.3
K 1619 STK4	K 1619	2.10	0.127	5.60	6.45	119.7
K 1419 STK4	K 1419	2.35	0.127	6.20	7.15	131.4
K 1219 STK4	K 1219	2.85	0.127	7.45	8.50	189.0
K 1037 STK4	K 1037	3.35	0.160	8.80	9.95	283.0

SHIELDED JACKETED SINGLE CORE CABLES

TYPE KK xxxx STK 1 SPC

-90°C / +200°C

FEP / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NEMA-HP4	
Cable :	NEMA-WC27500	

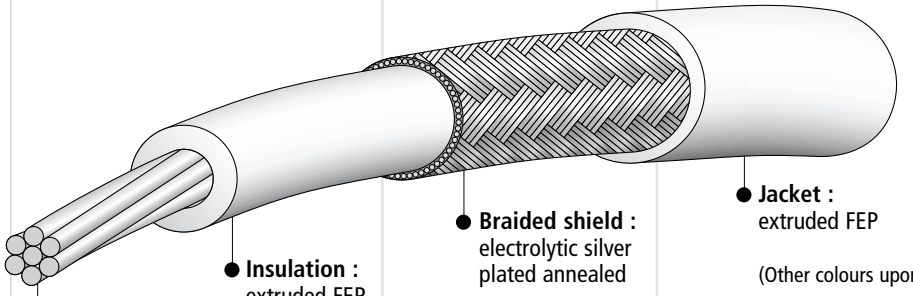
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE: 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET: 9



Conductor : electrolytic silver plated annealed copper

Insulation : extruded FEP

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 16)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KK 3207 STK1	KK 3207	1.00	0.102	1.45	1.90	9.10
KK 3007 STK1	KK 3007	1.05	0.102	1.50	1.95	9.60
KK 2807 STK1	KK 2807	1.10	0.102	1.55	2.00	10.4
KK 2607 STK1	KK 2607	1.25	0.102	1.70	2.15	12.9
KK 2619 STK1	KK 2619	1.25	0.102	1.70	2.15	12.0
KK 2407 STK1	KK 2407	1.35	0.102	1.80	2.25	14.2
KK 2419 STK1	KK 2419	1.35	0.102	1.80	2.25	13.3
KK 2207 STK1	KK 2207	1.50	0.102	1.95	2.40	16.3
KK 2219 STK1	KK 2219	1.50	0.102	1.95	2.40	15.2
KK 2007 STK1	KK 2007	1.70	0.127	2.25	2.80	21.8
KK 2019 STK1	KK 2019	1.75	0.127	2.30	2.80	23.8
KK 1819 STK1	KK 1819	2.00	0.127	2.55	3.10	30.0
KK 1619 STK1	KK 1619	2.25	0.127	2.80	3.35	37.4
KK 1419 STK1	KK 1419	2.60	0.127	3.15	3.80	43.2
KK 1219 STK1	KK 1219	3.10	0.127	3.65	4.30	58.6
KK 1037 STK1	KK 1037	3.60	0.127	4.15	4.90	78.5

SHIELDED JACKETED TWISTED PAIRS

TYPE KK xxxx STK 2 SPC

-90°C / +200°C

FEP / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NEMA-HP4	
Cable :	NEMA-WC27500	

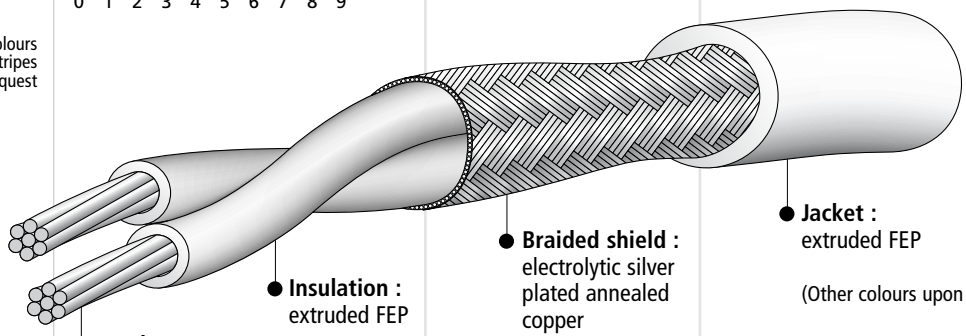
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9

9



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded FEP
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 16)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KK 3207 STK2	KK 3207	1.00	0.127	2.55	3.10	18.4
KK 3007 STK2	KK 3007	1.05	0.127	2.65	3.20	19.7
KK 2807 STK2	KK 2807	1.10	0.127	2.75	3.30	20.9
KK 2607 STK2	KK 2607	1.25	0.127	3.05	3.70	26.3
KK 2619 STK2	KK 2619	1.25	0.127	3.05	3.70	24.5
KK 2407 STK2	KK 2407	1.35	0.127	3.25	3.90	29.1
KK 2419 STK2	KK 2419	1.35	0.127	3.25	3.90	27.3
KK 2207 STK2	KK 2207	1.50	0.127	3.55	4.20	33.7
KK 2219 STK2	KK 2219	1.50	0.127	3.55	4.20	31.4
KK 2007 STK2	KK 2007	1.70	0.127	3.95	4.60	38.4
KK 2019 STK2	KK 2019	1.75	0.127	4.05	4.80	44.8
KK 1819 STK2	KK 1819	2.00	0.127	4.55	5.30	58.0
KK 1619 STK2	KK 1619	2.25	0.127	5.05	5.90	73.0
KK 1419 STK2	KK 1419	2.60	0.127	5.75	6.60	83.9
KK 1219 STK2	KK 1219	3.10	0.127	6.75	7.70	116.4
KK 1037 STK2	KK 1037	3.60	0.127	7.75	8.80	159.0

SHIELDED JACKETED TWISTED TRIPLES

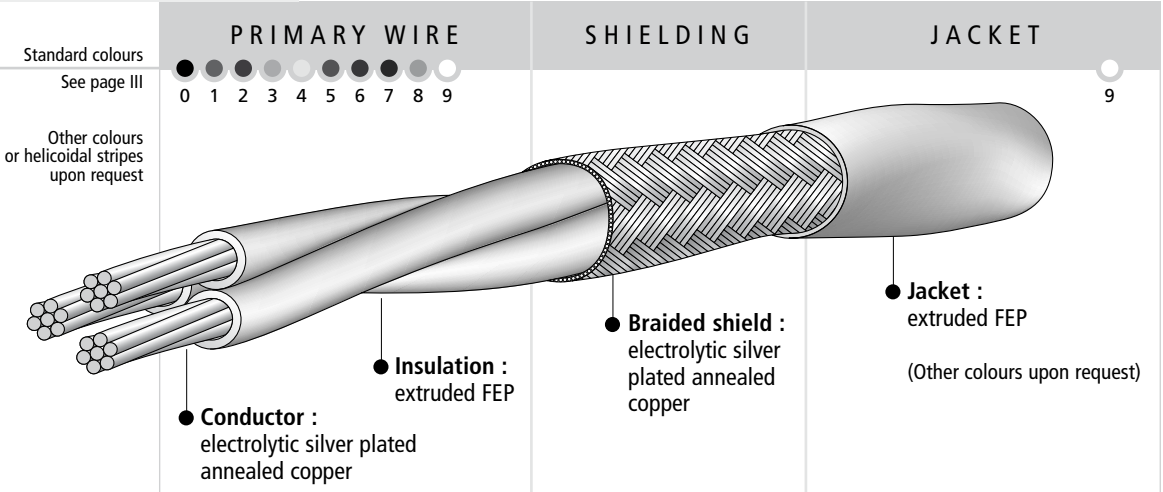
TYPE KK xxxx STK 3 SPC

-90°C / +200°C

FEP / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NEMA-HP4	
Cable :	NEMA-WC27500	



AXON' REFERENCE	Primary wire reference (see page 16)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KK 3207 STK3	KK 3207	1.00	0.127	2.70	3.25	23.9
KK 3007 STK3	KK 3007	1.05	0.127	2.80	3.35	25.2
KK 2807 STK3	KK 2807	1.10	0.127	2.95	3.45	27.5
KK 2607 STK3	KK 2607	1.25	0.127	3.25	3.90	34.5
KK 2619 STK3	KK 2619	1.25	0.127	3.25	3.90	31.8
KK 2407 STK3	KK 2407	1.35	0.127	3.45	4.10	38.5
KK 2419 STK3	KK 2419	1.35	0.127	3.45	4.10	35.8
KK 2207 STK3	KK 2207	1.50	0.127	3.80	4.45	47.3
KK 2219 STK3	KK 2219	1.50	0.127	3.80	4.45	43.9
KK 2007 STK3	KK 2007	1.70	0.127	4.20	4.95	52.5
KK 2019 STK3	KK 2019	1.75	0.127	4.35	5.05	61.7
KK 1819 STK3	KK 1819	2.00	0.127	4.85	5.60	80.4
KK 1619 STK3	KK 1619	2.25	0.127	5.40	6.25	100.2
KK 1419 STK3	KK 1419	2.60	0.127	6.15	7.10	117.9
KK 1219 STK3	KK 1219	3.10	0.127	7.25	8.25	164.4
KK 1037 STK3	KK 1037	3.60	0.127	8.30	9.45	226.0

SHIELDED JACKETED TWISTED QUADS

TYPE KK xxxx STK 4 SPC

-90°C / +200°C

FEP / FEP
1000 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NEMA-HP4	
Cable :	NEMA-WC27500	

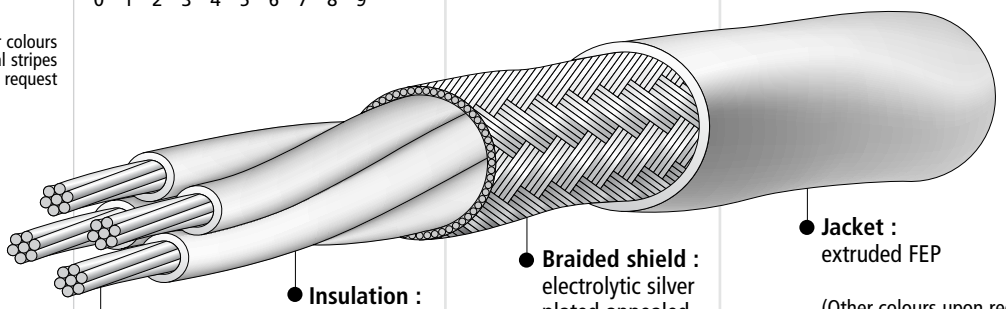
PRIMARY WIRE	SHIELDING	JACKET

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

9

Other colours or helicoidal stripes upon request



Conductor : electrolytic silver plated annealed copper

Insulation : extruded FEP

Braided shield : electrolytic silver plated annealed copper

Jacket : extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 16)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KK 3207 STK4	KK 3207	1.00	0.127	3.00	3.50	27.0
KK 3007 STK4	KK 3007	1.05	0.127	3.10	3.75	30.5
KK 2807 STK4	KK 2807	1.10	0.127	3.20	3.85	35.3
KK 2607 STK4	KK 2607	1.25	0.127	3.60	4.20	39.7
KK 2619 STK4	KK 2619	1.25	0.127	3.60	4.20	36.1
KK 2407 STK4	KK 2407	1.35	0.127	3.80	4.45	47.0
KK 2419 STK4	KK 2419	1.35	0.127	3.80	4.45	43.4
KK 2207 STK4	KK 2207	1.50	0.127	4.20	4.90	57.2
KK 2219 STK4	KK 2219	1.50	0.127	4.20	4.90	52.6
KK 2007 STK4	KK 2007	1.70	0.127	4.65	5.40	64.4
KK 2019 STK4	KK 2019	1.75	0.127	4.80	5.50	73.9
KK 1819 STK4	KK 1819	2.00	0.127	5.40	6.25	101.2
KK 1619 STK4	KK 1619	2.25	0.127	6.00	6.85	126.0
KK 1419 STK4	KK 1419	2.60	0.127	6.85	7.80	148.3
KK 1219 STK4	KK 1219	3.10	0.127	8.05	9.10	209.2
KK 1037 STK4	KK 1037	3.60	0.160	9.40	10.65	297.0

SHIELDED JACKETED SINGLE CORE CABLES

TYPE ZL xxxx STK 1 TPC

-90°C / +155°C

ETFE / FEP

600 Volts AC

LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

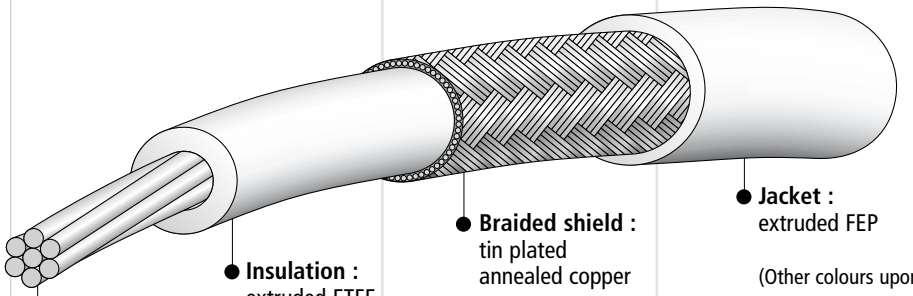
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE: 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET: 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STK1	ZL 3007 or KU 01-30	0.63	0.102	1.10	1.55	6.00
ZL 2807 STK1	ZL 2807 or KU 01-28	0.70	0.102	1.15	1.60	6.50
ZL 2619 STK1	ZL 2619 or KU 01-26	0.80	0.102	1.25	1.70	9.10
ZL 2419 STK1	ZL 2419 or KU 01-24	0.93	0.102	1.40	1.85	10.0
ZL 2219 STK1	ZL 2219 or KU 01-22	1.10	0.102	1.55	2.00	12.2
ZL 2019 STK1	ZL 2019	1.30	0.102	1.75	2.20	16.2
ZL 1819 STK1	ZL 1819	1.55	0.127	2.10	2.65	24.3
ZL 1619 STK1	ZL 1619	1.78	0.127	2.35	2.90	28.2
ZL 1419 STK1	ZL 1419	2.16	0.127	2.70	3.25	38.7
ZL 1237 STK1	ZL 1237	2.72	0.127	3.30	3.90	54.7
ZL 1037 STK1	ZL 1037	3.41	0.127	3.95	4.60	77.5

SHIELDED JACKETED TWISTED PAIRS

TYPE ZL xxxx STK 2 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

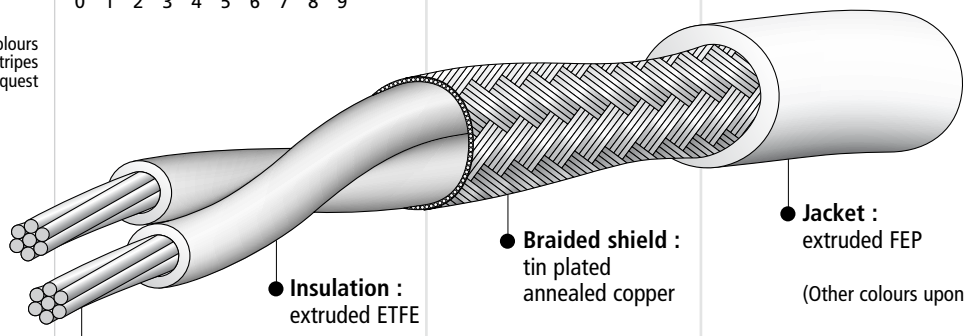
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9

9



● **Conductor :**
tin plated annealed copper

● **Insulation :**
extruded ETFE

● **Braided shield :**
tin plated
annealed copper

● **Jacket :**
extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STK2	ZL 3007 or KU 01-30	0.63	0.102	1.70	2.15	9.30
ZL 2807 STK2	ZL 2807 or KU 01-28	0.70	0.102	1.85	2.30	10.7
ZL 2619 STK2	ZL 2619 or KU 01-26	0.80	0.127	2.15	2.70	16.2
ZL 2419 STK2	ZL 2419 or KU 01-24	0.93	0.127	2.40	2.95	20.0
ZL 2219 STK2	ZL 2219 or KU 01-22	1.10	0.127	2.75	3.30	24.0
ZL 2019 STK2	ZL 2019	1.30	0.127	3.15	3.80	32.7
ZL 1819 STK2	ZL 1819	1.55	0.127	3.65	4.30	42.8
ZL 1619 STK2	ZL 1619	1.78	0.127	4.10	4.75	50.5
ZL 1419 STK2	ZL 1419	2.16	0.127	4.90	5.60	59.2
ZL 1237 STK2	ZL 1237	2.72	0.127	6.00	6.95	109.8
ZL 1037 STK2	ZL 1037	3.41	0.127	7.40	8.40	158.0

SHIELDED JACKETED TWISTED TRIPLES

TYPE ZL xxxx STK 3 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

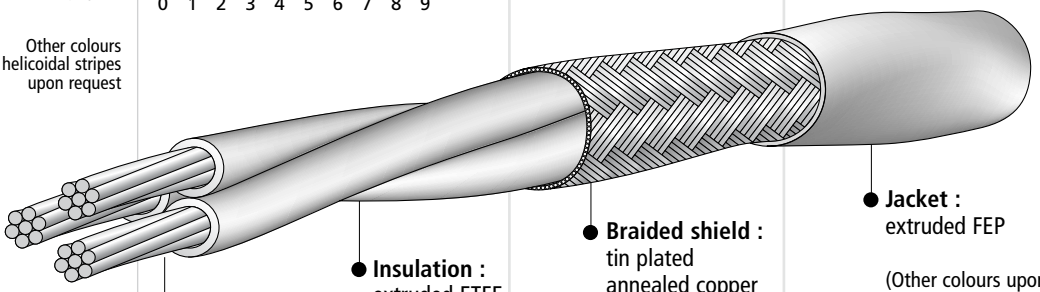
Standard colours
See page III

PRIMARY WIRE: 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET: 9

Other colours or helicoidal stripes upon request



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STK3	ZL 3007 or KU 01-30	0.63	0.102	1.80	2.25	12.2
ZL 2807 STK3	ZL 2807 or KU 01-28	0.70	0.102	1.95	2.40	14.0
ZL 2619 STK3	ZL 2619 or KU 01-26	0.80	0.127	2.30	2.80	21.8
ZL 2419 STK3	ZL 2419 or KU 01-24	0.93	0.127	2.55	3.10	24.4
ZL 2219 STK3	ZL 2219 or KU 01-22	1.10	0.127	2.90	3.45	32.2
ZL 2019 STK3	ZL 2019	1.30	0.127	3.35	4.00	43.4
ZL 1819 STK3	ZL 1819	1.55	0.127	3.90	4.55	60.0
ZL 1619 STK3	ZL 1619	1.78	0.127	4.40	5.15	73.0
ZL 1419 STK3	ZL 1419	2.16	0.127	5.20	6.05	82.7
ZL 1237 STK3	ZL 1237	2.72	0.127	6.40	7.45	152.4
ZL 1037 STK3	ZL 1037	3.41	0.127	7.90	9.05	224.8

SHIELDED JACKETED TWISTED QUADS

TYPE ZL xxxx STK 4 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

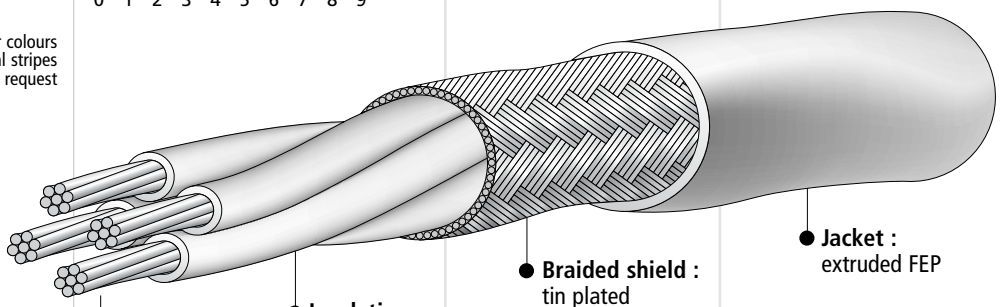
Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

Standard colours
See page III

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9 — 9

Other colours or helicoidal stripes upon request



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STK4	ZL 3007 or KU 01-30	0.63	0.127	2.05	2.50	16.8
ZL 2807 STK4	ZL 2807 or KU 01-28	0.70	0.127	2.25	2.80	20.2
ZL 2619 STK4	ZL 2619 or KU 01-26	0.80	0.127	2.50	3.05	25.9
ZL 2419 STK4	ZL 2419 or KU 01-24	0.93	0.127	2.80	3.35	30.6
ZL 2219 STK4	ZL 2219 or KU 01-22	1.10	0.127	3.20	3.85	39.5
ZL 2019 STK4	ZL 2019	1.30	0.127	3.70	4.35	52.6
ZL 1819 STK4	ZL 1819	1.55	0.127	4.30	5.05	72.9
ZL 1619 STK4	ZL 1619	1.78	0.127	4.85	5.60	91.0
ZL 1419 STK4	ZL 1419	2.16	0.127	5.75	6.60	127.4
ZL 1237 STK4	ZL 1237	2.72	0.127	7.10	8.15	190.3
ZL 1037 STK4	ZL 1037	3.41	0.160	8.90	10.15	315.9

SHIELDED JACKETED SINGLE CORE CABLES

TYPE ZN xxxx STK 1 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

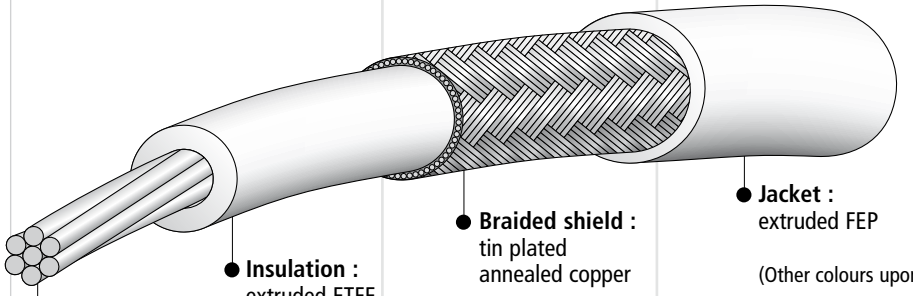
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET — 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STK1	ZN 3007	0.75	0.102	1.20	1.65	7.90
ZN 2807 STK1	ZN 2807	0.83	0.102	1.30	1.70	8.30
ZN 2619 STK1	ZN 2619	0.96	0.102	1.40	1.85	9.40
ZN 2419 STK1	ZN 2419	1.14	0.102	1.60	2.05	11.0
ZN 2219 STK1	ZN 2219	1.32	0.102	1.80	2.20	14.4
ZN 2019 STK1	ZN 2019 or KU 01-20	1.52	0.127	2.10	2.60	21.5
ZN 1819 STK1	ZN 1819 or KU 01-18	1.80	0.127	2.35	2.90	26.2
ZN 1619 STK1	ZN 1619 or KU 01-16	2.01	0.127	2.55	3.10	32.3
ZN 1419 STK1	ZN 1419	2.35	0.127	2.90	3.45	40.5
ZN 1237 STK1	ZN 1237 or KU 01-12	2.90	0.127	3.45	4.10	56.1
ZN 1037 STK1	ZN 1037	3.52	0.127	4.10	4.80	82.7

SHIELDED JACKETED TWISTED PAIRS

TYPE ZN xxxx STK 2 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

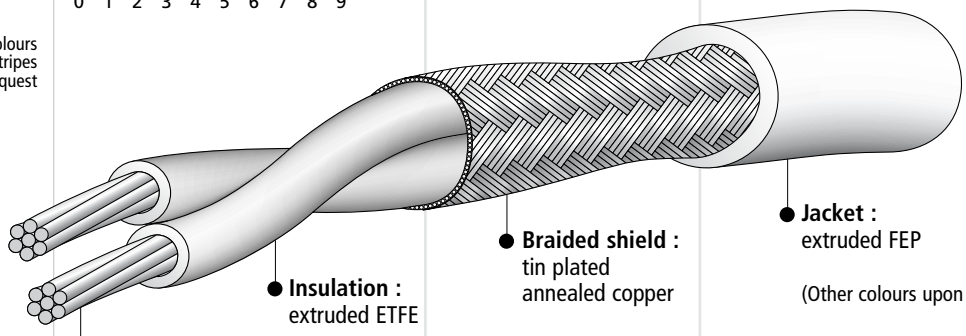
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET — 9



● **Conductor :** tin plated annealed copper

● **Insulation :** extruded ETFE

● **Braided shield :** tin plated annealed copper

● **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STK2	ZN 3007	0.75	0.102	1.95	2.40	11.9
ZN 2807 STK2	ZN 2807	0.83	0.127	2.20	2.75	15.0
ZN 2619 STK2	ZN 2619	0.96	0.127	2.50	3.00	19.1
ZN 2419 STK2	ZN 2419	1.14	0.127	2.85	3.40	22.4
ZN 2219 STK2	ZN 2219	1.32	0.127	3.20	3.85	29.7
ZN 2019 STK2	ZN 2019 or KU 01-20	1.52	0.127	3.60	4.25	37.7
ZN 1819 STK2	ZN 1819 or KU 01-18	1.80	0.127	4.15	4.90	47.9
ZN 1619 STK2	ZN 1619 or KU 01-16	2.01	0.127	4.60	5.30	58.9
ZN 1419 STK2	ZN 1419	2.35	0.127	5.25	6.10	81.6
ZN 1237 STK2	ZN 1237 or KU 01-12	2.90	0.127	6.35	7.20	109.9
ZN 1037 STK2	ZN 1037	3.52	0.127	7.60	8.65	160.8

SHIELDED JACKETED TWISTED TRIPLES

TYPE ZN xxxx STK 3 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

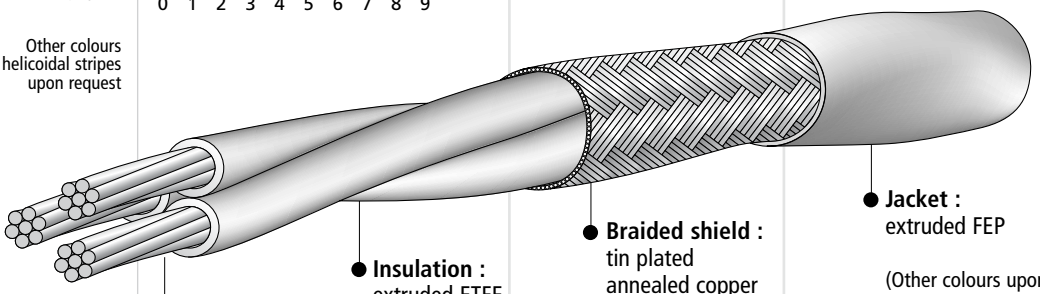
PRIMARY WIRE | SHIELDING | JACKET

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

9

Other colours or helicoidal stripes upon request



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STK3	ZN 3007	0.75	0.127	2.15	2.70	18.1
ZN 2807 STK3	ZN 2807	0.83	0.127	2.35	2.90	20.0
ZN 2619 STK3	ZN 2619	0.96	0.127	2.60	3.15	24.7
ZN 2419 STK3	ZN 2419	1.14	0.127	3.00	3.65	31.2
ZN 2219 STK3	ZN 2219	1.32	0.127	3.40	4.05	39.6
ZN 2019 STK3	ZN 2019 or KU 01-20	1.52	0.127	3.80	4.45	50.1
ZN 1819 STK3	ZN 1819 or KU 01-18	1.80	0.127	4.40	5.20	66.9
ZN 1619 STK3	ZN 1619 or KU 01-16	2.01	0.127	4.90	5.65	83.1
ZN 1419 STK3	ZN 1419	2.35	0.127	5.60	6.45	110.7
ZN 1237 STK3	ZN 1237 or KU 01-12	2.90	0.127	6.80	7.85	157.0
ZN 1037 STK3	ZN 1037	3.52	0.127	8.10	9.25	230.2

SHIELDED JACKETED TWISTED QUADS

TYPE ZN xxxx STK 4 TPC

-90°C / +155°C

ETFE / FEP
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

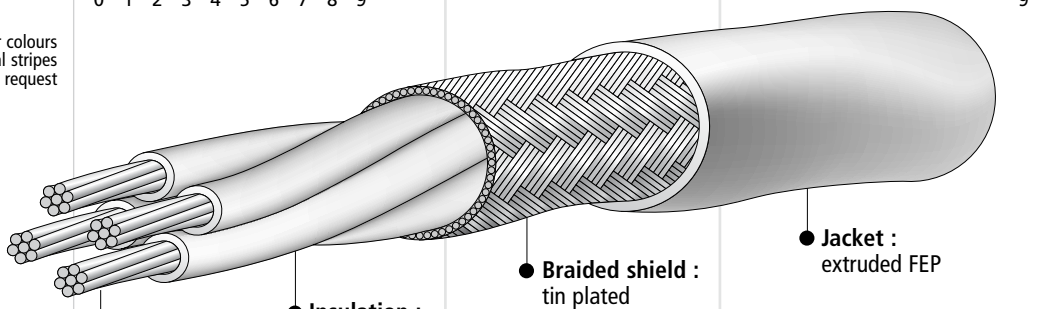
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET — 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded FEP

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STK4	ZN 3007	0.75	0.127	2.35	2.90	20.2
ZN 2807 STK4	ZN 2807	0.83	0.127	2.55	3.10	24.4
ZN 2619 STK4	ZN 2619	0.96	0.127	2.85	3.40	28.2
ZN 2419 STK4	ZN 2419	1.14	0.127	3.30	3.95	37.9
ZN 2219 STK4	ZN 2219	1.32	0.127	3.75	4.40	46.8
ZN 2019 STK4	ZN 2019 or KU 01-20	1.52	0.127	4.20	4.95	62.9
ZN 1819 STK4	ZN 1819 or KU 01-18	1.80	0.127	4.90	5.65	82.8
ZN 1619 STK4	ZN 1619 or KU 01-16	2.01	0.127	5.40	6.25	101.8
ZN 1419 STK4	ZN 1419	2.35	0.127	6.20	7.15	141.4
ZN 1237 STK4	ZN 1237 or KU 01-12	2.90	0.127	7.55	8.60	200.5
ZN 1037 STK4	ZN 1037	3.52	0.160	9.20	10.45	340.9

SHIELDED JACKETED SINGLE CORE CABLES

TYPE ZL xxxx STZ 1 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

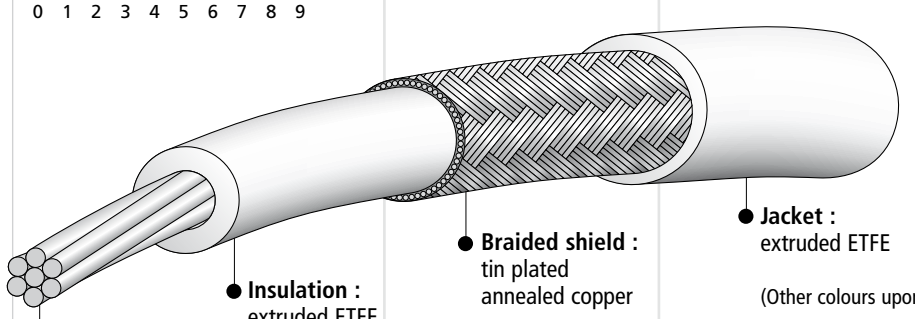
Standard colours
See page III

PRIMARY WIRE: 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET: 9

Other colours or helicoidal stripes upon request



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded ETFE (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STZ1	ZL 3007 or KU 01-30	0.63	0.102	1.08	1.55	4.30
ZL 2807 STZ1	ZL 2807 or KU 01-28	0.70	0.102	1.15	1.60	4.90
ZL 2619 STZ1	ZL 2619 or KU 01-26	0.80	0.102	1.25	1.70	7.10
ZL 2419 STZ1	ZL 2419 or KU 01-24	0.92	0.102	1.37	1.85	8.40
ZL 2219 STZ1	ZL 2219 or KU 01-22	1.10	0.102	1.55	2.00	10.6
ZL 2019 STZ1	ZL 2019	1.30	0.102	1.75	2.20	15.3
ZL 1819 STZ1	ZL 1819	1.55	0.127	2.10	2.65	20.5
ZL 1619 STZ1	ZL 1619	1.80	0.127	2.35	2.90	26.8

SHIELDED JACKETED TWISTED PAIRS

TYPE ZL xxxx STZ 2 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

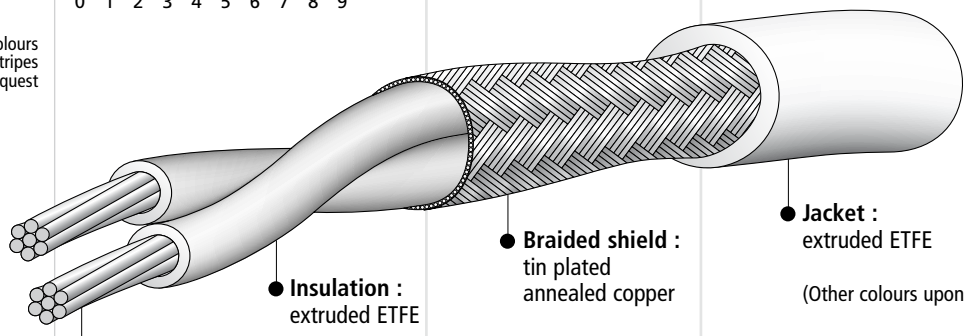
Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

9



Conductor :
tin plated annealed copper

Insulation :
extruded ETFE

Braided shield :
tin plated annealed copper

Jacket :
extruded ETFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STZ2	ZL 3007 or KU 01-30	0.63	0.102	1.70	2.15	7.80
ZL 2807 STZ2	ZL 2807 or KU 01-28	0.70	0.102	1.85	2.30	8.80
ZL 2619 STZ2	ZL 2619 or KU 01-26	0.80	0.127	2.15	2.70	10.7
ZL 2419 STZ2	ZL 2419 or KU 01-24	0.92	0.127	2.40	2.95	16.8
ZL 2219 STZ2	ZL 2219 or KU 01-22	1.10	0.127	2.75	3.30	20.6
ZL 2019 STZ2	ZL 2019	1.30	0.127	3.15	3.80	30.9
ZL 1819 STZ2	ZL 1819	1.55	0.127	3.65	4.30	40.8
ZL 1619 STZ2	ZL 1619	1.80	0.127	4.15	4.80	48.1

SHIELDED JACKETED TWISTED TRIPLES

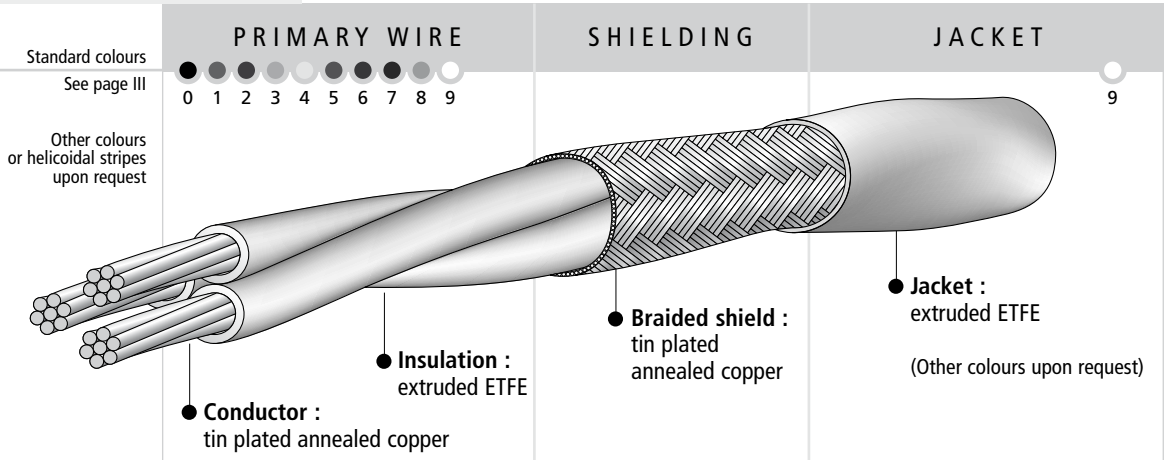
TYPE ZL xxxx STZ 3 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224 - ASTM-B-33
Insulation :	ASTM-D-3159
Insulated wire :	NF-C-93524 SAE-AS22759
Cable :	NEMA-WC27500



AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STZ3	ZL 3007 or KU 01-30	0.63	0.102	1.80	2.25	11.3
ZL 2807 STZ3	ZL 2807 or KU 01-28	0.70	0.102	1.95	2.40	12.6
ZL 2619 STZ3	ZL 2619 or KU 01-26	0.80	0.127	2.30	2.85	15.3
ZL 2419 STZ3	ZL 2419 or KU 01-24	0.92	0.127	2.55	3.10	20.5
ZL 2219 STZ3	ZL 2219 or KU 01-22	1.10	0.127	2.90	3.50	27.8
ZL 2019 STZ3	ZL 2019	1.30	0.127	3.35	4.00	41.2
ZL 1819 STZ3	ZL 1819	1.55	0.127	3.80	4.45	56.0
ZL 1619 STZ3	ZL 1619	1.80	0.127	4.45	5.20	69.4

SHIELDED JACKETED TWISTED QUADS

TYPE ZL xxxx STZ 4 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
LIGHT WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

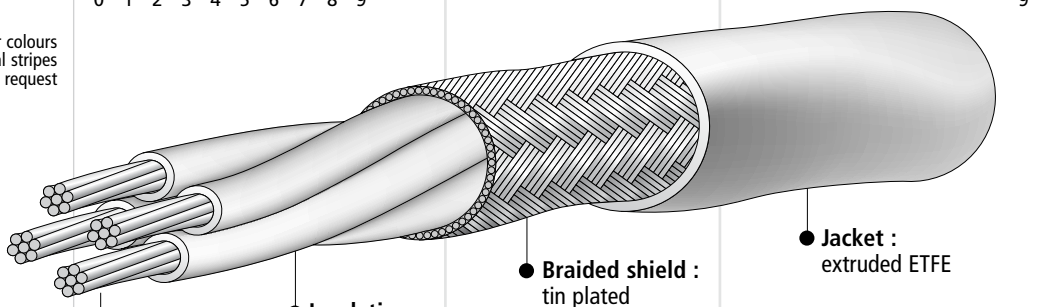
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9

9



Conductor :
tin plated annealed copper

Insulation :
extruded ETFE

Braided shield :
tin plated
annealed copper

Jacket :
extruded ETFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 17)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZL 3007 STZ4	ZL 3007 or KU 01-30	0.63	0.127	2.05	2.55	15.7
ZL 2807 STZ4	ZL 2807 or KU 01-28	0.70	0.127	2.25	2.80	18.8
ZL 2619 STZ4	ZL 2619 or KU 01-26	0.80	0.127	2.50	3.05	24.4
ZL 2419 STZ4	ZL 2419 or KU 01-24	0.92	0.127	2.80	3.35	28.9
ZL 2219 STZ4	ZL 2219 or KU 01-22	1.10	0.127	3.20	3.85	37.2
ZL 2019 STZ4	ZL 2019	1.30	0.127	3.70	4.35	50.0
ZL 1819 STZ4	ZL 1819	1.55	0.127	4.30	5.05	69.5
ZL 1619 STZ4	ZL 1619	1.80	0.127	4.90	5.65	81.1

SHIELDED JACKETED SINGLE CORE CABLES

TYPE ZN xxxx STZ 1 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

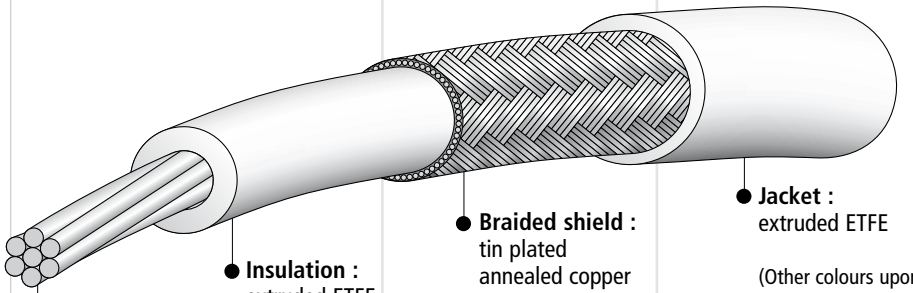
Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9 — 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded ETFE (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STZ1	ZN 3007	0.75	0.102	1.20	1.65	7.30
ZN 2807 STZ1	ZN 2807	0.83	0.102	1.30	1.75	7.70
ZN 2619 STZ1	ZN 2619	0.96	0.102	1.40	1.85	8.70
ZN 2419 STZ1	ZN 2419	1.14	0.102	1.60	2.05	10.2
ZN 2219 STZ1	ZN 2219	1.32	0.102	1.80	2.25	13.6
ZN 2019 STZ1	ZN 2019 or KU 01-20	1.52	0.127	2.10	2.60	18.2
ZN 1819 STZ1	ZN 1819 or KU 01-18	1.80	0.127	2.35	2.90	23.3
ZN 1619 STZ1	ZN 1619 or KU 01-16	2.00	0.127	2.55	3.10	28.9
ZN 1419 STZ1	ZN 1419	2.35	0.127	2.90	3.45	36.0
ZN 1237 STZ1	ZN 1237 or KU 01-12	2.90	0.127	3.45	4.10	50.0
ZN 1037 STZ1	ZN 1037	3.52	0.127	4.10	4.80	80.0

SHIELDED JACKETED TWISTED PAIRS

TYPE ZN xxxx STZ 2 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	

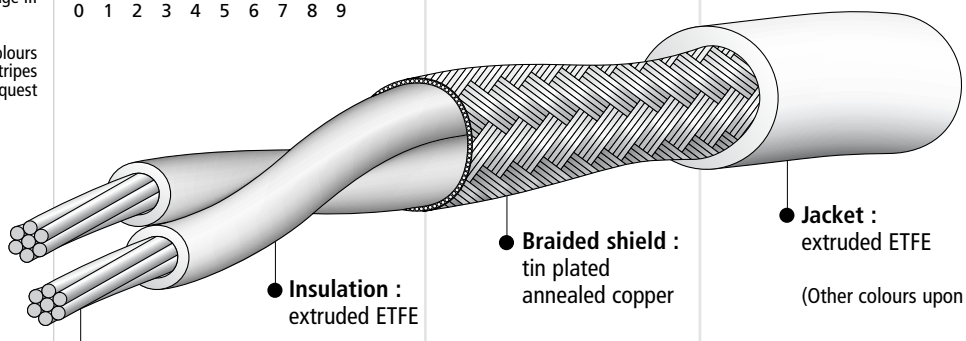
Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — 0 1 2 3 4 5 6 7 8 9

SHIELDING

JACKET — 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded ETFE (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STZ2	ZN 3007	0.75	0.102	1.95	2.40	10.9
ZN 2807 STZ2	ZN 2807	0.83	0.127	2.20	2.75	13.7
ZN 2619 STZ2	ZN 2619	0.96	0.127	2.50	3.00	17.7
ZN 2419 STZ2	ZN 2419	1.14	0.127	2.85	3.40	21.0
ZN 2219 STZ2	ZN 2219	1.32	0.127	3.20	3.85	27.8
ZN 2019 STZ2	ZN 2019 or KU 01-20	1.52	0.127	3.60	4.25	31.9
ZN 1819 STZ2	ZN 1819 or KU 01-18	1.80	0.127	4.15	4.90	40.0
ZN 1619 STZ2	ZN 1619 or KU 01-16	2.00	0.127	4.55	5.30	49.7
ZN 1419 STZ2	ZN 1419	2.35	0.127	5.25	6.10	68.0
ZN 1237 STZ2	ZN 1237 or KU 01-12	2.90	0.127	6.35	7.20	92.0
ZN 1037 STZ2	ZN 1037	3.52	0.127	7.60	8.60	154.0

SHIELDED JACKETED TWISTED TRIPLES

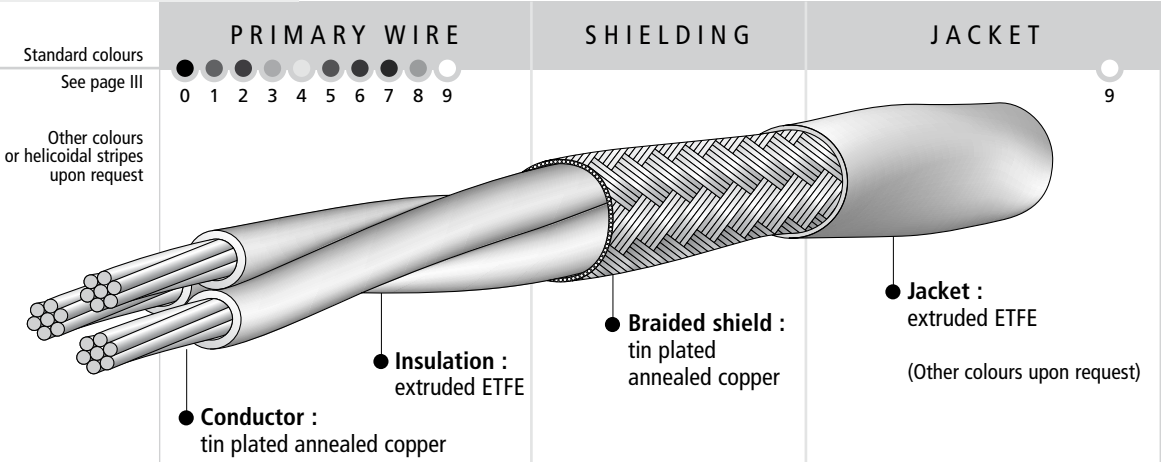
TYPE ZN xxxx STZ 3 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable :	NEMA-WC27500	



AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STZ3	ZN 3007	0.75	0.127	2.20	2.70	16.7
ZN 2807 STZ3	ZN 2807	0.81	0.127	2.35	2.90	18.4
ZN 2619 STZ3	ZN 2619	0.96	0.127	2.60	3.15	23.1
ZN 2419 STZ3	ZN 2419	1.14	0.127	3.00	3.65	29.0
ZN 2219 STZ3	ZN 2219	1.32	0.127	3.40	4.05	37.2
ZN 2019 STZ3	ZN 2019 or KU 01-20	1.52	0.127	3.80	4.45	43.1
ZN 1819 STZ3	ZN 1819 or KU 01-18	1.80	0.127	4.45	5.20	56.2
ZN 1619 STZ3	ZN 1619 or KU 01-16	2.00	0.127	4.85	5.60	71.0
ZN 1419 STZ3	ZN 1419	2.35	0.127	5.60	6.40	93.0
ZN 1237 STZ3	ZN 1237 or KU 01-12	2.90	0.127	6.80	7.80	135.0
ZN 1037 STZ3	ZN 1037	3.52	0.127	8.10	9.30	222.0

SHIELDED JACKETED TWISTED QUADS

TYPE ZN xxxx STZ 4 TPC

-90°C / +155°C

ETFE / ETFE
600 Volts AC
MEDIUM WEIGHT

SPECIFICATIONS

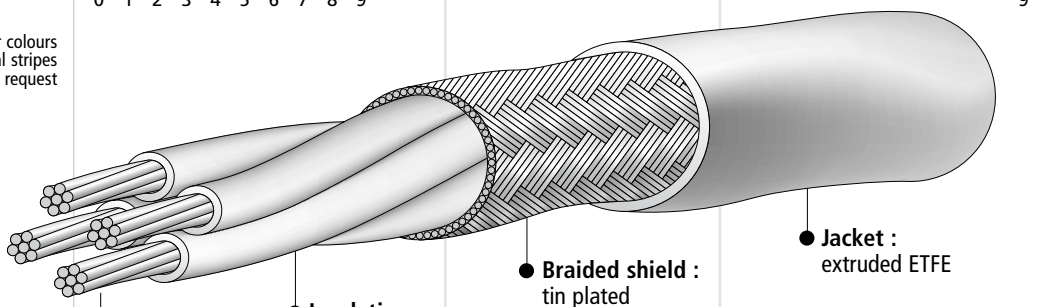
Conductor :	ASTM-B-224	ASTM-B-33
Insulation :	ASTM-D-3159	
Insulated wire :	NF-C-93524	SAE-AS22759
Cable	NEMA-WC27500	

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE — SHIELDING — JACKET

0 1 2 3 4 5 6 7 8 9 — 9



Conductor :
tin plated annealed copper

Insulation :
extruded ETFE

Braided shield :
tin plated annealed copper

Jacket :
extruded ETFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
ZN 3007 STZ4	ZN 3007	0.75	0.127	2.35	2.90	18.7
ZN 2807 STZ4	ZN 2807	0.83	0.127	2.55	3.10	22.7
ZN 2619 STZ4	ZN 2619	0.96	0.127	2.85	3.40	26.3
ZN 2419 STZ4	ZN 2419	1.14	0.127	3.30	3.95	35.6
ZN 2219 STZ4	ZN 2219	1.32	0.127	3.75	4.40	44.2
ZN 2019 STZ4	ZN 2019 or KU 01-20	1.52	0.127	4.20	4.95	59.4
ZN 1819 STZ4	ZN 1819 or KU 01-18	1.80	0.127	4.90	5.60	79.0
ZN 1619 STZ4	ZN 1619 or KU 01-16	2.00	0.127	5.40	6.20	97.2
ZN 1419 STZ4	ZN 1419	2.35	0.127	6.20	7.20	135.4
ZN 1237 STZ4	ZN 1237 or KU 01-12	2.90	0.127	7.55	8.60	192.7
ZN 1037 STZ4	ZN 1037	3.52	0.160	9.20	10.40	308.0

SHIELDED JACKETED SINGLE CORE CABLES

TYPE KU 02 - xx TPC

-55°C / +150°C

ETFE / ETFE
600 Volts AC

SPECIFICATIONS

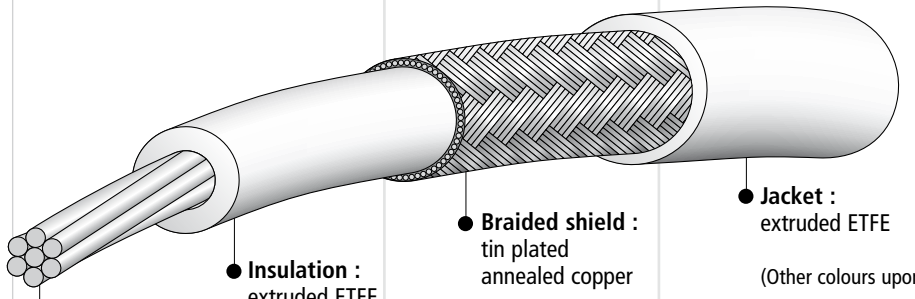
Conductor : ASTM-B-224 ASTM-B-33
Insulation : ASTM-D-3159
Cable : NF-C-93524

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9 — 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded ETFE (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see pages 17 & 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KU 02 - 30	KU 01 - 30	0.63	0.102	1.10	1.35	4.00
KU 02 - 28	KU 01 - 28	0.70	0.102	1.15	1.40	5.30
KU 02 - 26	KU 01 - 26	0.80	0.102	1.25	1.50	7.00
KU 02 - 24	KU 01 - 24	0.92	0.102	1.35	1.70	8.80
KU 02 - 22	KU 01 - 22	1.10	0.102	1.55	1.95	10.0
KU 02 - 20	KU 01 - 20	1.52	0.127	2.05	2.40	14.8
KU 02 - 18	KU 01 - 18	1.80	0.127	2.35	2.75	21.4
KU 02 - 16	KU 01 - 16	2.00	0.127	2.55	2.95	29.7
KU 02 - 14	KU 01 - 14	2.35	0.127	2.90	3.30	34.5
KU 02 - 12	KU 01 - 12	2.90	0.127	3.45	3.85	48.8

SHIELDED JACKETED TWISTED PAIRS

TYPE KU 05 - xx TPC

-55°C / +150°C

ETFE / ETFE
600 Volts AC

SPECIFICATIONS

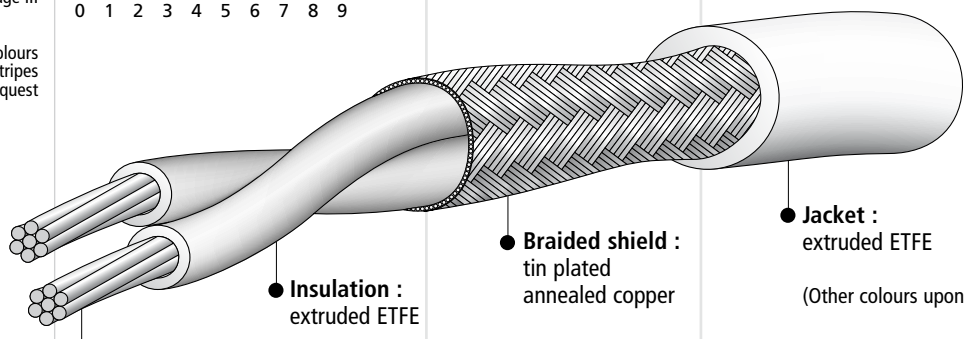
Conductor : ASTM-B-224 ASTM-B-33
Insulation : ASTM-D-3159
Cable : NF-C-93524

Standard colours
See page III

Other colours or helicoidal stripes upon request

PRIMARY WIRE | SHIELDING | JACKET

0 1 2 3 4 5 6 7 8 9 — 9



- **Conductor :** tin plated annealed copper
- **Insulation :** extruded ETFE
- **Braided shield :** tin plated annealed copper
- **Jacket :** extruded ETFE (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see pages 17 & 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KU 05 - 30	KU 01 - 30	0.63	0.102	1.70	2.10	8.50
KU 05 - 28	KU 01 - 28	0.70	0.102	1.85	2.20	9.50
KU 05 - 26	KU 01 - 26	0.80	0.127	2.15	2.50	12.1
KU 05 - 24	KU 01 - 24	0.92	0.127	2.40	2.80	18.8
KU 05 - 22	KU 01 - 22	1.10	0.127	2.75	3.15	21.1
KU 05 - 20	KU 01 - 20	1.52	0.127	3.60	4.00	29.2
KU 05 - 18	KU 01 - 18	1.80	0.127	4.15	4.60	39.3
KU 05 - 16	KU 01 - 16	2.00	0.127	4.55	5.00	49.5
KU 05 - 14	KU 01 - 14	2.35	0.127	5.25	5.75	65.7
KU 05 - 12	KU 01 - 12	2.90	0.127	6.35	6.80	96.7

SHIELDED JACKETED TWISTED TRIPLES

TYPE KU 06 - xx TPC

-55°C / +150°C

ETFE / ETFE
600 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-33
Insulation : ASTM-D-3159
Cable : NF-C-93524

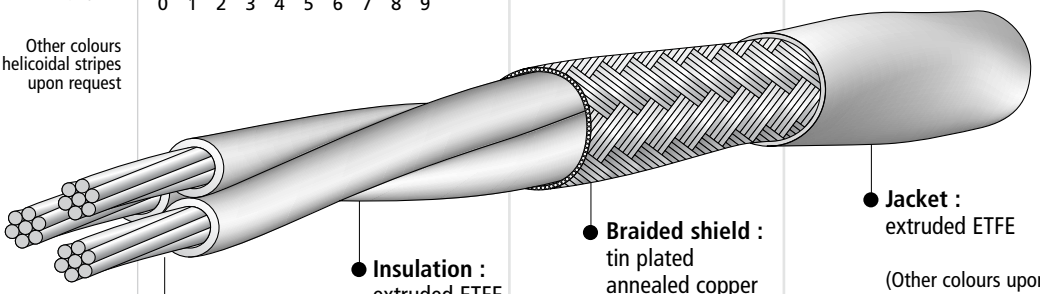
PRIMARY WIRE	SHIELDING	JACKET

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

9

Other colours or helicoidal stripes upon request



● **Conductor :** tin plated annealed copper

● **Insulation :** extruded ETFE

● **Braided shield :** tin plated annealed copper

● **Jacket :** extruded ETFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see pages 17 & 18)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
KU 06 - 30	KU 01 - 30	0.63	0.102	1.80	2.30	11.4
KU 06 - 28	KU 01 - 28	0.70	0.102	1.95	2.45	12.6
KU 06 - 26	KU 01 - 26	0.80	0.127	2.25	2.70	15.7
KU 06 - 24	KU 01 - 24	0.92	0.127	2.50	2.90	23.8
KU 06 - 22	KU 01 - 22	1.10	0.127	2.90	3.30	26.4
KU 06 - 20	KU 01 - 20	1.52	0.127	3.80	4.25	39.8
KU 06 - 18	KU 01 - 18	1.80	0.127	4.40	4.85	53.7
KU 06 - 16	KU 01 - 16	2.00	0.127	4.85	5.25	68.7
KU 06 - 14	KU 01 - 14	2.35	0.127	5.60	6.15	92.8
KU 06 - 12	KU 01 - 12	2.90	0.127	6.75	7.30	137.4

89 TO 90 ● WRAPPED PTFE INSULATION

EXTRA FLEXIBLE SINGLE WIRES

TYPE RET xxxx SPC

-90°C / +200°C

WRAPPED PTFE

250 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

Insulation : ASTM-D-4895

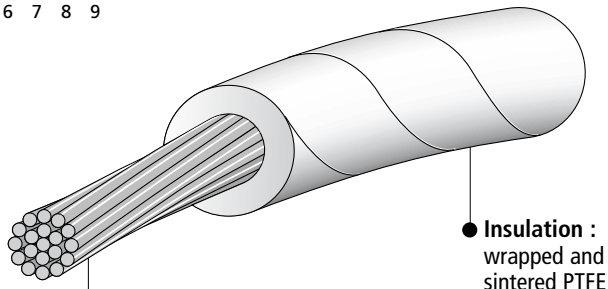
Standard colours

See page III

Other colours upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



Insulation :
wrapped and sintered PTFE tape

Conductor :
extra flexible stranded electrolytic silver plated annealed copper

Standard multicores

See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
RET 3019	30	19x0.063	0.315	0.060	30	0.62	1.20
RET 2819	28	19x0.079	0.395	0.093	19	0.69	1.75
RET 2633	26	33x0.070	0.450	0.13	14	0.83	2.00
RET 2456	24	56x0.070	0.600	0.22	8.5	0.97	3.00
RET 2272	22	72x0.070	0.750	0.28	6.6	1.10	3.70
RET 20135	20	135x0.070	0.950	0.52	3.6	1.33	6.30
RET 16315	16	315x0.070	1.600	1.20	1.6	1.95	14.0

EXTRA FLEXIBLE SINGLE WIRES

TYPE RE xxxx SPC

-90°C / +200°C

WRAPPED PTFE
600 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

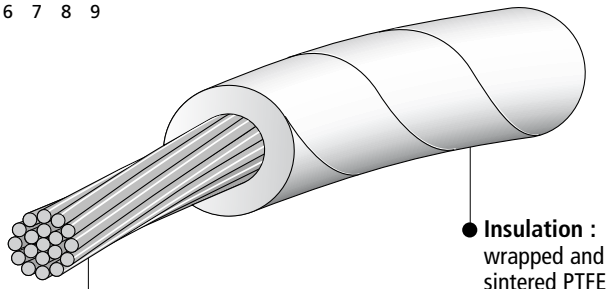
Insulation : ASTM-D-4895

Standard colours
See page III

Other colours upon request

PRIMARY WIRE

0 1 2 3 4 5 6 7 8 9



● **Insulation :**
wrapped and
sintered PTFE tapes

● **Conductor :**
extra flexible stranded electrolytic
silver plated annealed copper

Standard multicores
See page IV

AXON' REFERENCE	AWG	Construction	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)
RE 2633	26	33x0.070	0.450	0.13	14	0.96	2.30
RE 2456	24	56x0.070	0.600	0.22	8.5	1.10	3.40
RE 2272	22	72x0.070	0.750	0.28	6.6	1.22	4.50
RE 20135	20	135x0.070	0.950	0.52	3.6	1.45	7.00
RE 16315	16	315x0.070	1.600	1.20	1.6	2.05	14.8
RE 15504	15	504x0.070	2.050	1.90	0.95	2.53	22.7

91 TO 96 ● WRAPPED PTFE INSULATION

TYPE RET xxxx Sh E1 SPC

-90°C / +200°C

WRAPPED PTFE/ WRAPPED PTFE

250 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

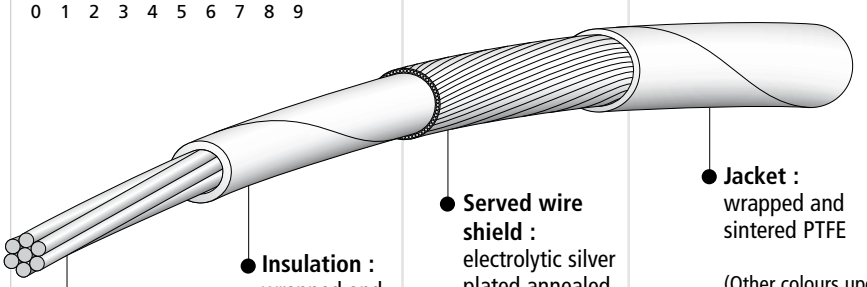
Insulation : ASTM-D-4895

Standard colours

See page III

Other colours upon request

PRIMARY WIRE	SHIELDING	JACKET
0 1 2 3 4 5 6 7 8 9		9



- **Conductor :** extra flexible stranded electrolytic silver plated annealed copper
- **Insulation :** wrapped and sintered PTFE
- **Served wire shield :** electrolytic silver plated annealed copper
- **Jacket :** wrapped and sintered PTFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 89)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
RET 2633 Sh E1	RET 2633	0.83	0.102	1.35	5.65
RET 2456 Sh E1	RET 2456	0.97	0.102	1.53	7.10
RET 2272 Sh E1	RET 2272	1.10	0.102	1.66	8.35
RET 20135 Sh E1	RET 20135	1.33	0.102	1.95	11.9

EXTRA FLEXIBLE SHIELDED JACKETED TWISTED PAIRS

TYPE RET xxxx Sh E2 SPC

-90°C / +200°C

WRAPPED PTFE/ WRAPPED PTFE

250 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

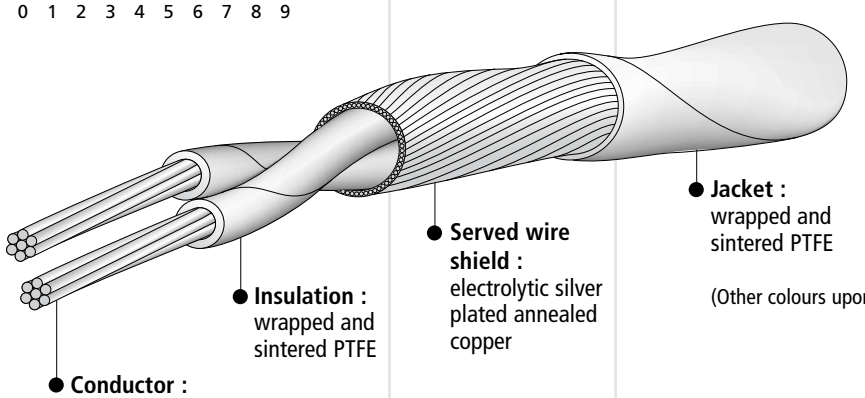
Insulation : ASTM-D-4895

Standard colours

See page III

Other colours upon request

PRIMARY WIRE	SHIELDING	JACKET
0 1 2 3 4 5 6 7 8 9		9



- **Conductor :** extra flexible stranded electrolytic silver plated annealed copper
- **Insulation :** wrapped and sintered PTFE
- **Served wire shield :** electrolytic silver plated annealed copper
- **Jacket :** wrapped and sintered PTFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 89)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
RET 3019 Sh E2	RET 3019	0.62	0.050	1.70	5.10
RET 2819 Sh E2	RET 2819	0.69	0.102	1.95	8.20
RET 2633 Sh E2	RET 2633	0.83	0.127	2.20	11.5
RET 2456 Sh E2	RET 2456	0.97	0.127	2.50	14.6
RET 2272 Sh E2	RET 2272	1.10	0.127	2.85	17.4
RET 20135 Sh E2	RET 20135	1.33	0.160	3.28	26.7

EXTRA FLEXIBLE SHIELDED JACKETED TWISTED TRIPLES

TYPE RET xxxx Sh E3 SPC

-90°C / +200°C

WRAPPED PTFE/ WRAPPED PTFE

250 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

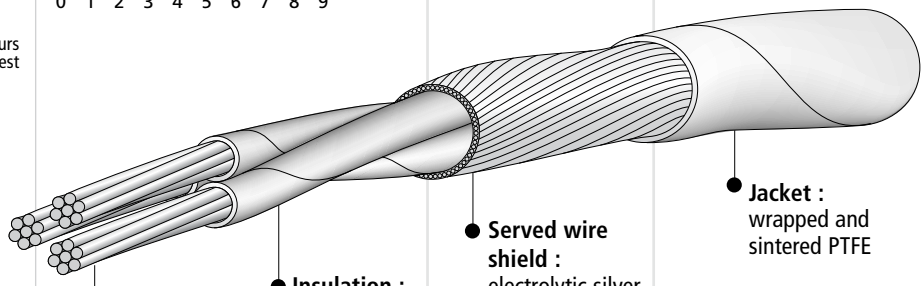
Insulation : ASTM-D-4895

Standard colours

See page III

Other colours upon request

PRIMARY WIRE	SHIELDING	JACKET
0 1 2 3 4 5 6 7 8 9		9



- **Conductor :** extra flexible stranded electrolytic silver plated annealed copper
- **Insulation :** wrapped and sintered PTFE
- **Served wire shield :** electrolytic silver plated annealed copper
- **Jacket :** wrapped and sintered PTFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 89)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
RET 2819 Sh E3	RET 2819	0.69	0.102	2.10	10.5

TYPE RE xxxx Sh E1 SPC

-90°C / +200°C

WRAPPED PTFE/ WRAPPED PTFE

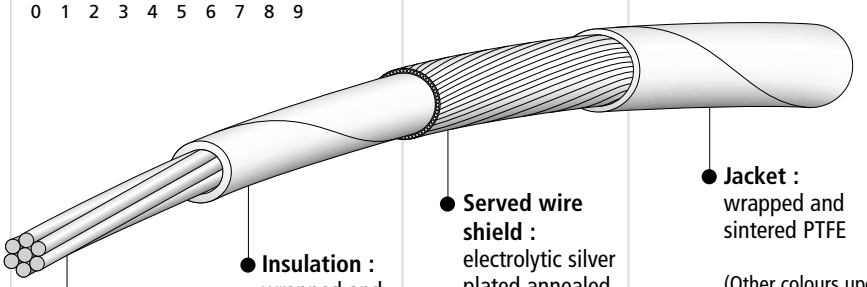
600 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

Insulation : ASTM-D-4895

PRIMARY WIRE	SHIELDING	JACKET
Standard colours See page III 0 1 2 3 4 5 6 7 8 9 Other colours upon request		9



Conductor : extra flexible stranded electrolytic silver plated annealed copper

Insulation : wrapped and sintered PTFE

Served wire shield : electrolytic silver plated annealed copper

Jacket : wrapped and sintered PTFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 90)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
RE 16315 Sh E1	RE 16315	2.10	0.127	2.70	25.5
RE 15504 Sh E1	RE 15504	2.55	0.160	3.15	40.0

TYPE RE xxxx Sh E2 SPC

-90°C / +200°C

WRAPPED PTFE/ WRAPPED PTFE

600 Volts AC

SPECIFICATIONS

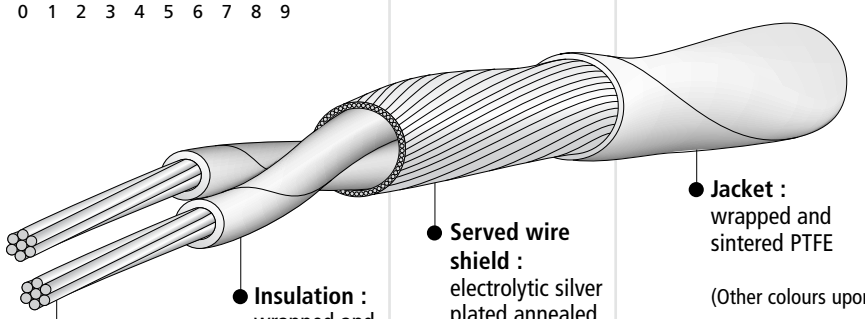
Conductor : ASTM-B-224 ASTM-B-298

Insulation : ASTM-D-4895

Standard colours
See page III

Other colours upon request

PRIMARY WIRE	SHIELDING	JACKET
0 1 2 3 4 5 6 7 8 9		9



- **Conductor :** extra flexible stranded electrolytic silver plated annealed copper
- **Insulation :** wrapped and sintered PTFE
- **Served wire shield :** electrolytic silver plated annealed copper
- **Jacket :** wrapped and sintered PTFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 90)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
RE 2272 Sh E2	RE 2272	1.22	0.127	3.05	18.9
RE 16315 Sh E2	RE 16315	2.10	0.203	4.90	65.0
RE 15504 Sh E2	RE 15504	2.55	0.254	6.00	100.0

EXTRA FLEXIBLE SHIELDED JACKETED TWISTED TRIPLES

TYPE RE xxxx Sh E3 SPC

-90°C / +200°C

WRAPPED PTFE/ WRAPPED PTFE

600 Volts AC

SPECIFICATIONS

Conductor : ASTM-B-224 ASTM-B-298

Insulation : ASTM-D-4895

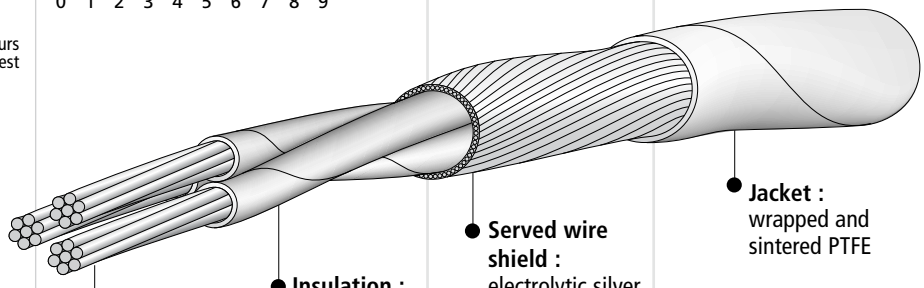
PRIMARY WIRE	SHIELDING	JACKET

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

Other colours upon request

9



Conductor : extra flexible stranded electrolytic silver plated annealed copper

Insulation : wrapped and sintered PTFE

Served wire shield : electrolytic silver plated annealed copper

Jacket : wrapped and sintered PTFE

(Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 90)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)
RE 2633 Sh E3	RE 2633	0.96	0.127	2.60	17.4
RE 2456 Sh E3	RE 2456	1.10	0.160	3.10	24.0
RE 2272 Sh E3	RE 2272	1.22	0.160	3.35	30.7
RE 20135 Sh E3	RE 20135	1.45	0.203	3.80	43.7
RE 16315 Sh E3	RE 16315	2.10	0.203	5.30	90.0
RE 15504 Sh E3	RE 15504	2.55	0.254	6.50	130.0

97 TO 100 ● PTFE, FEP, ETFE, POLYIMIDE INSULATION

TYPE AET, WET, WE xxxx SPC or SPCA

-90°C / +200°C

PTFE

250 / 350 / 600 Volts AC

SPECIFICATIONS

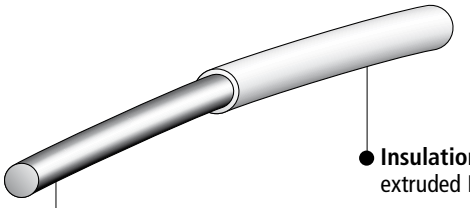
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-4895		
Insulated wire :	NF-C-93522	NEMA-HP3	

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



- **Insulation :** extruded PTFE
- **Conductor :** electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
AET 3001 SCA				30	1x0.254	0.254	0.051	40	0.50	0.80	250
AET 3001				30	1x0.254	0.254	0.051	34	0.50	0.80	250
WET 3001	KW 03-30 A2	HP3-ETXBBA		30	1x0.254	0.254	0.051	34	0.56	0.90	350
WET 2801	KW 03-28 A2			28	1x0.320	0.320	0.081	21	0.65	1.30	350
WET 2601	KW 03-26 A2	HP3-ETXBDA		26	1x0.403	0.403	0.13	13	0.72	1.80	350
WET 2401		HP3-ETXBEA		24	1x0.510	0.510	0.20	8	0.83	2.60	250
WE 3001		HP3-EXBBA		30	1x0.254	0.254	0.05	34	0.76	1.35	600
WE 2801				28	1x0.320	0.320	0.08	21	0.82	2.00	600
WE 2601		HP3-EXBDA		26	1x0.403	0.403	0.13	13	0.90	2.65	600
WE 2401	KW 03-24 A2	HP3-EXBEA		24	1x0.510	0.510	0.20	8.5	1.05	3.30	350
WE 2201			HP3-EXBFA	22	1x0.644	0.644	0.32	5.3	1.15	4.90	600
WE 2001			HP3-EXBGA	20	1x0.812	0.812	0.52	3.3	1.30	6.40	600

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

TYPE AKT, WKT, WK xxxx SPC

-90°C / +200°C

FEP

250 / 350 / 600 Volts AC

SPECIFICATIONS

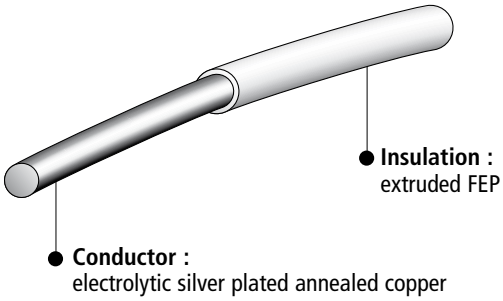
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NF-C-93522	NEMA-HP3

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



Insulation :
extruded FEP

Conductor :
electrolytic silver plated annealed copper

AXON' REFERENCE	NF REFERENCE	NEMA REFERENCE	REFERENCE according to NEMA	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
AKT 3001				30	1x0.254	0.254	0.051	34	0.50	0.80	250
AKT 2601				26	1x0.403	0.403	0.128	13	0.68	1.60	250
WKT 3001	KW 03-30 A2	HP4-KTBBA		30	1x0.254	0.254	0.051	34	0.56	0.90	350
WKT 2801	KW 03-28 A2			28	1x0.320	0.320	0.081	21	0.65	1.30	350
WKT 2601	KW 03-26 A2	HP4-KTBDA		26	1x0.403	0.403	0.128	13	0.72	1.80	350
WKT 2401		HP4-KTBEA		24	1x0.510	0.510	0.205	8	0.83	2.60	250
WK 3001		HP4-KBBA		30	1x0.254	0.254	0.051	34	0.76	1.35	600
WK 2801				28	1x0.320	0.320	0.081	21	0.82	2.00	600
WK 2601		HP4-KBDA		26	1x0.403	0.403	0.13	13	0.90	2.65	600
WK 2401	KW 03-24 A2	HP4-KBEA		24	1x0.510	0.510	0.20	8.5	1.05	3.30	350
WK 2201			HP4-KBAA	22	1x0.644	0.644	0.32	5.3	1.15	4.90	600
WK 2001			HP4-KBGA	20	1x0.812	0.812	0.52	3.3	1.30	6.40	600

NEMA REFERENCE : NEMA SPEC. APPROVED PRODUCTS - **REFERENCE ACCORDING TO NEMA :** PRODUCTS MANUFACTURED ACCORDING TO THE NEMA SPEC. BUT NOT APPROVED.

TYPE AZT, WZT, WZ xxxx SPC or SPCA

-90°C / +155°C

ETFE

250 / 350 / 600 Volts AC

SPECIFICATIONS

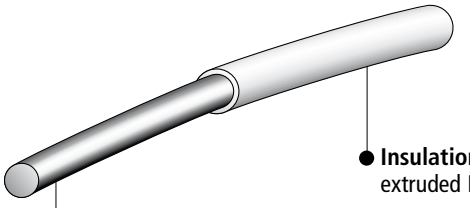
Conductor :	ASTM-B-224	ASTM-B-298	ASTM-B-624
Insulation :	ASTM-D-3159		
Insulated wire :	NF-C-93522		

Standard colours
See page III

Other colours upon request

B C D E F G H J K L

PRIMARY WIRE



Insulation :
extruded ETFE

Conductor :
electrolytic silver plated annealed copper
or high strength silver plated copper alloy (SCA).

AXON' REFERENCE	NF REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
AZT 3001		30	1x0.254	0.254	0.051	34	0.50	0.70	250
AZT 2601		26	1x0.403	0.403	0.128	13	0.68	1.50	250
WZT 3001TF	KW 07-30 B1	30	1x0.254	0.254	0.051	40	0.56	0.80	350
WZT 3001	KW 02-30 B1	30	1x0.254	0.254	0.051	34	0.56	0.80	350
WZT 2801	KW 02-28 B1	28	1x0.320	0.320	0.081	21	0.62	1.10	350
WZT 2601	KW 02-26 B1	26	1x0.403	0.403	0.128	13	0.72	1.60	350
WZT 2401		24	1x0.510	0.510	0.205	8	0.82	2.40	250
WZT 2201		22	1x0.644	0.644	0.325	5	0.95	3.50	250
WZT 2001		20	1x0.812	0.812	0.519	3	1.10	5.40	250
WZ 3001		30	1x0.254	0.254	0.051	34	0.70	1.00	600
WZ 2801		28	1x0.320	0.320	0.081	21	0.77	1.40	600
WZ 2601		26	1x0.403	0.403	0.13	13	0.86	1.90	600
WZ 2401	KW 02-24 B1	24	1x0.510	0.510	0.20	8.5	1.05	2.90	350
WZ 2201		22	1x0.644	0.644	0.32	5.3	1.10	3.95	600
WZ 2001		20	1x0.812	0.812	0.52	3.3	1.25	5.80	600

TYPE AHT, WHT, WH xxxx SPC or SPCA

-90°C / +200°C

WRAPPED POLYIMIDE
250 / 600 Volts AC

SPECIFICATIONS

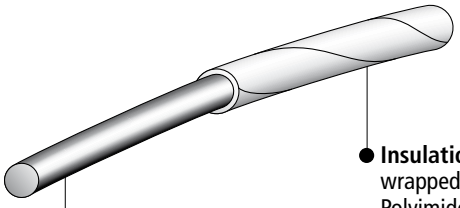
Conductor : ASTM-B-224 ASTM-B-298 ASTM-B-624

PRIMARY WIRE

Standard colours
See page III

0 1 2 3 4 5 6 7 8 9

Other colours upon request



Insulation :
wrapped and sealed Polyimide tape

Conductor :
electrolytic silver plated annealed copper or high strength silver plated copper alloy (SCA).

AXON' REFERENCE	AWG	Construc-tion	Conductor nominal ø (mm)	Conductor nominal area (mm^2)	Conductor nominal resistance (Ω/100m)	Insulated wire nom. ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
AHT 3001 SCA	30	1x0.254	0.254	0.051	40	0.52	0.70	250
WHT 3001 SCA	30	1x0.254	0.254	0.051	40	0.58	0.75	250
WHT 2801 SCA	28	1x0.320	0.320	0.081	24	0.67	1.10	250
WHT 2601	26	1x0.403	0.403	0.13	13	0.75	1.60	250
WH 2401	24	1x0.510	0.510	0.20	8.5	1.10	2.75	600
WH 2201	22	1x0.644	0.644	0.32	5.3	1.24	4.00	600
WH 2001	20	1x0.812	0.812	0.52	3.3	1.41	5.90	600

101 TO 112 ● PTFE, FEP, ETFE INSULATION

TYPE WET, WE xxxx STK 1 SPC

-90°C / +200°C

PTFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

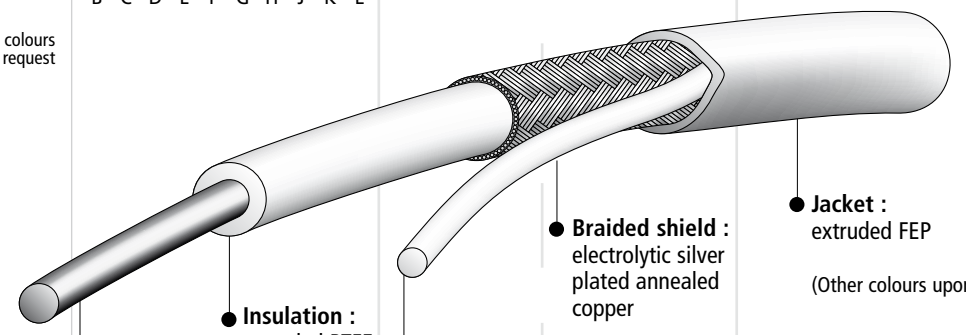
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93522	NEMA-HP3

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | DRAIN WIRE | SHIELDING | JACKET

B C D E F G H J K L — L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 97)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WET 3001 STK1	WET 3001 or KW 03-30 A2	0.56	0.102	1.00	0.254	1.50	5.50	350
WET 2801 STK1	WET 2801 or KW 03-28 A2	0.65	0.102	1.10	0.320	1.60	6.20	350
WET 2601 STK1	WET 2601 or KW 03-26 A2	0.72	0.102	1.20	0.403	1.70	7.00	350
WE 2401 STK1	WE 2401 or KW 03-24 A2	1.05	0.102	1.50	0.510	2.05	10.4	350
WE 2201 STK1	WE 2201	1.15	0.127	1.70	0.644	2.20	13.9	600
WE 2001 STK1	WE 2001	1.30	0.127	1.85	0.812	2.45	17.7	600

TYPE WET, WE xxxx STK 2 SPC

-90°C / +200°C

PTFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

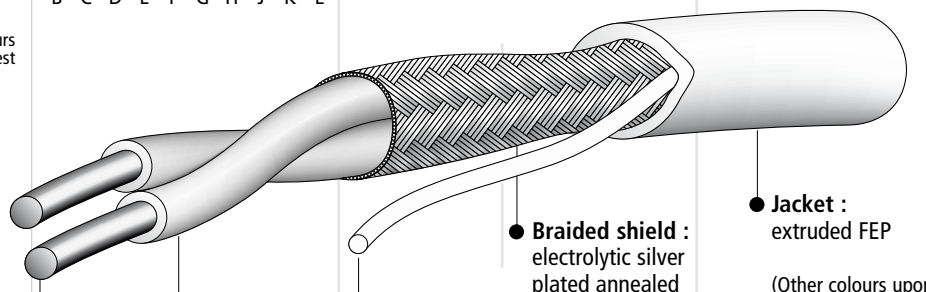
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93522	NEMA-HP3

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | DRAIN WIRE | SHIELDING | JACKET

B C D E F G H J K L — L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 97)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WET 3001 STK2	WET 3001 or KW 03-30 A2	0.56	0.102	1.60	0.254	2.10	8.40	350
WET 2801 STK2	WET 2801 or KW 03-28 A2	0.65	0.102	1.75	0.320	2.25	9.50	350
WET 2601 STK2	WET 2601 or KW 03-26 A2	0.72	0.102	1.90	0.403	2.40	11.8	350
WE 2401 STK2	WE 2401 or KW 03-24 A2	1.05	0.127	2.65	0.510	3.35	20.8	350
WE 2201 STK2	WE 2201	1.15	0.127	2.85	0.644	3.60	25.9	600
WE 2001 STK2	WE 2001	1.30	0.127	3.15	0.812	4.10	32.7	600

TYPE WET, WE xxxx STK 3 SPC

-90°C / +200°C

PTFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

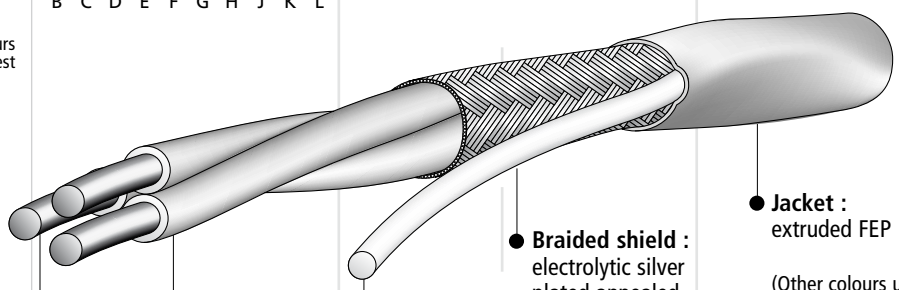
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93522	NEMA-HP3

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | DRAIN WIRE | SHIELDING | JACKET

B C D E F G H J K L — L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 97)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WET 3001 STK3	WET 3001 or KW 03-30 A2	0.56	0.102	1.65	0.254	2.20	11.2	350
WET 2801 STK3	WET 2801 or KW 03-28 A2	0.65	0.102	1.85	0.320	2.40	13.0	350
WET 2601 STK3	WET 2601 or KW 03-26 A2	0.72	0.102	2.00	0.403	2.55	14.7	350
WE 2401 STK3	WE 2401 or KW 03-24 A2	1.05	0.127	2.80	0.510	3.50	27.3	350
WE 2201 STK3	WE 2201	1.15	0.127	3.05	0.644	3.85	32.8	600
WE 2001 STK3	WE 2001	1.30	0.127	3.35	0.812	4.20	40.5	600

TYPE WET, WE xxxx STK 4 SPC

-90°C / +200°C

PTFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-4895
Insulated wire :	NF-C-93522	NEMA-HP3

Standard colours
See page III

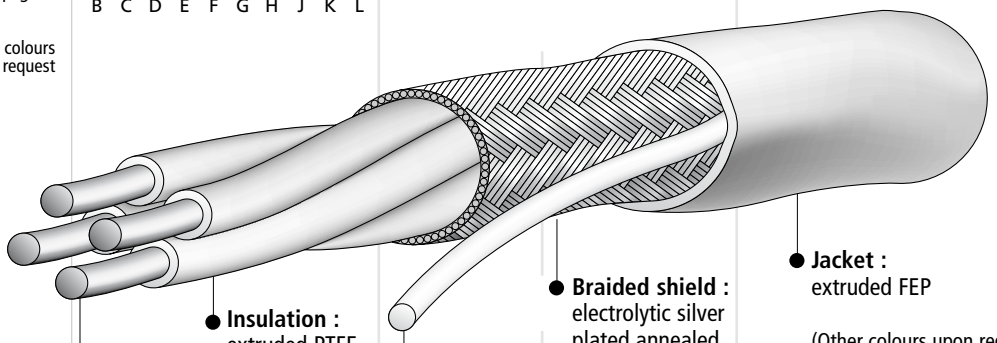
PRIMARY WIRE: B C D E F G H J K L

DRAIN WIRE

SHIELDING

JACKET: L

Other colours upon request



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded PTFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 97)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WET 3001 STK4	WET 3001 or KW 03-30 A2	0.56	0.102	1.80	0.254	2.35	12.3	350
WET 2801 STK4	WET 2801 or KW 03-28 A2	0.65	0.102	2.00	0.320	2.55	14.5	350
WET 2601 STK4	WET 2601 or KW 03-26 A2	0.72	0.127	2.30	0.403	2.95	21.2	350
WE 2401 STK4	WE 2401 or KW 03-24 A2	1.05	0.127	3.10	0.510	3.8	31.5	350
WE 2201 STK4	WE 2201	1.15	0.127	3.35	0.644	4.25	40.2	600
WE 2001 STK4	WE 2001	1.30	0.127	3.70	0.812	4.70	55.7	600

TYPE WKT, WK xxxx STK 1 SPC

-90°C / +200°C

FEP / FEP
350 / 600 Volts AC

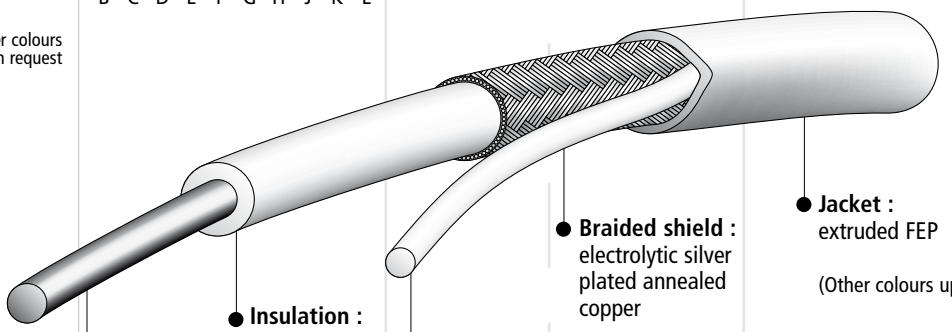
SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NF-C-93522	NEMA-HP4

Standard colours
See page III

Other colours upon request

PRIMARY WIRE B C D E F G H J K L | DRAIN WIRE | SHIELDING | JACKET L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded FEP
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 98)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WKT 3001 STK1	WKT 3001 or KW 03-30 A2	0.56	0.102	1.00	0.254	1.50	5.5	350
WKT 2801 STK1	WKT 2801 or KW 03-28 A2	0.65	0.102	1.10	0.320	1.60	6.2	350
WKT 2601 STK1	WKT 2601 or KW 03-26 A2	0.72	0.102	1.20	0.403	1.70	7.0	350
WK 2401 STK1	WK 2401 or KW 03-24 A2	1.05	0.102	1.50	0.510	2.05	10.4	350
WK 2201 STK1	WK 2201	1.15	0.127	1.70	0.644	2.20	13.9	600
WK 2001 STK1	WK 2001	1.30	0.127	1.85	0.812	2.45	17.7	600

TYPE WKT, WK xxxx STK 2 SPC

-90°C / +200°C

FEP / FEP
350 / 600 Volts AC

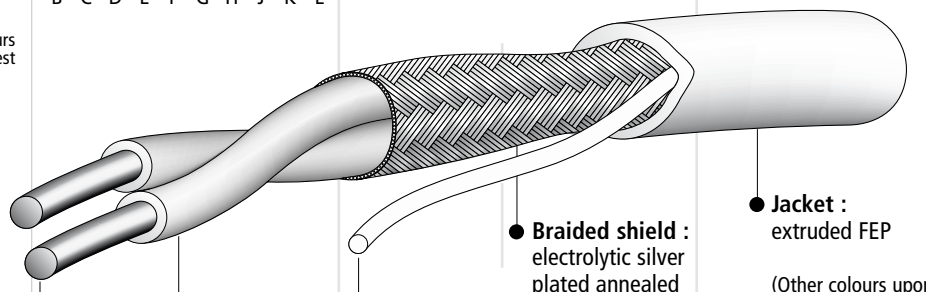
SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NF-C-93522	NEMA-HP4

Standard colours
See page III

Other colours upon request

PRIMARY WIRE B C D E F G H J K L | DRAIN WIRE | SHIELDING | JACKET L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded FEP
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 98)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WKT 3001 STK2	WKT 3001 or KW 03-30 A2	0.56	0.102	1.60	0.254	2.10	8.4	350
WKT 2801 STK2	WKT 2801 or KW 03-28 A2	0.65	0.102	1.75	0.320	2.25	9.5	350
WKT 2601 STK2	WKT 2601 or KW 03-26 A2	0.72	0.102	1.90	0.403	2.40	11.8	350
WK 2401 STK2	WK 2401 or KW 03-24 A2	1.05	0.127	2.65	0.510	3.35	20.8	350
WK 2201 STK2	WK 2201	1.15	0.127	2.85	0.644	3.60	25.9	600
WK 2001 STK2	WK 2001	1.30	0.127	3.15	0.812	4.10	32.7	600

TYPE WKT, WK xxxx STK 3 SPC

-90°C / +200°C

FEP / FEP
350 / 600 Volts AC

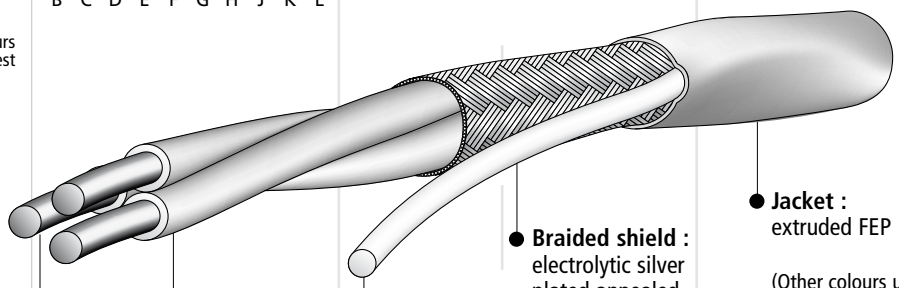
SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NF-C-93522	NEMA-HP4

Standard colours
See page III

Other colours upon request

PRIMARY WIRE B C D E F G H J K L | DRAIN WIRE | SHIELDING | JACKET L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded FEP
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 98)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WKT 3001 STK3	WKT 3001 or KW 03-30 A2	0.56	0.102	1.65	0.254	2.20	11.2	350
WKT 2801 STK3	WKT 2801 or KW 03-28 A2	0.65	0.102	1.85	0.320	2.40	13.0	350
WKT 2601 STK3	WKT 2601 or KW 03-26 A2	0.72	0.102	2.00	0.403	2.55	14.7	350
WK 2401 STK3	WK 2401 or KW 03-24 A2	1.05	0.127	2.80	0.510	3.50	27.3	350
WK 2201 STK3	WK 2201	1.15	0.127	3.05	0.644	3.85	32.8	600
WK 2001 STK3	WK 2001	1.30	0.127	3.35	0.812	4.20	40.5	600

TYPE WKT, WK xxxx STK 4 SPC

-90°C / +200°C

FEP / FEP

350 / 600 Volts AC

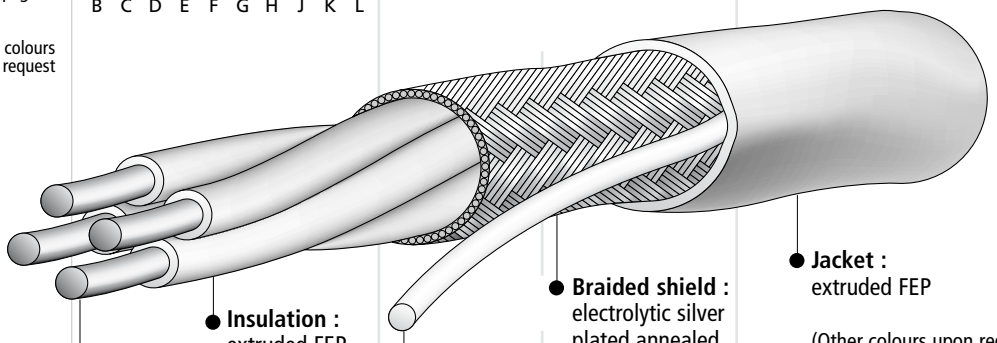
SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	
Insulated wire :	NF-C-93522	NEMA-HP4

Standard colours
See page III

Other colours upon request

PRIMARY WIRE B C D E F G H J K L | DRAIN WIRE | SHIELDING | JACKET L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded FEP
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 98)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WKT 3001 STK4	WKT 3001 or KW 03-30 A2	0.56	0.102	1.80	0.254	2.35	12.3	350
WKT 2801 STK4	WKT 2801 or KW 03-28 A2	0.65	0.102	2.00	0.320	2.55	14.5	350
WKT 2601 STK4	WKT 2601 or KW 03-26 A2	0.72	0.127	2.30	0.403	2.95	21.2	350
WK 2401 STK4	WK 2401 or KW 03-24 A2	1.05	0.127	3.10	0.510	3.80	31.5	350
WK 2201 STK4	WK 2201	1.15	0.127	3.35	0.644	4.25	40.2	600
WK 2001 STK4	WK 2001	1.30	0.127	3.70	0.812	4.70	55.7	600

TYPE WZT, WZ xxxx STK 1 SPC

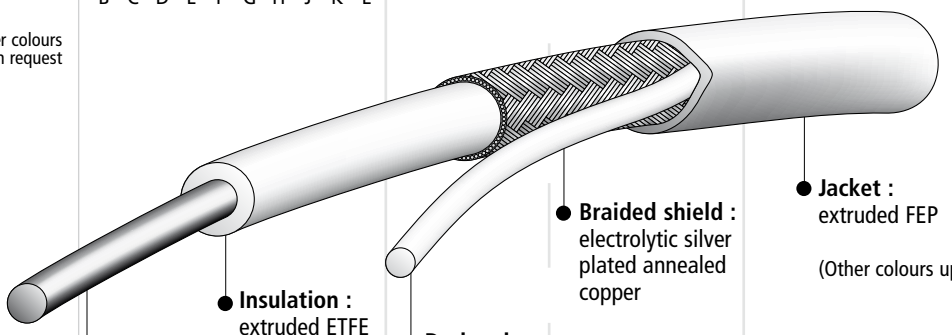
-90°C / +155°C

ETFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93522	

	PRIMARY WIRE	DRAIN WIRE	SHIELDING	JACKET
Standard colours	B C D E F G H J K L			L
See page III				
Other colours upon request				



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded ETFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 99)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WZT 3001 STK1	WZT 3001 or KW 02-30 B1	0.56	0.102	1.00	0.254	1.50	5.50	350
WZT 2801 STK1	WZT 2801 or KW 02-28 B1	0.65	0.102	1.10	0.320	1.60	6.10	350
WZT 2601 STK1	WZT 2601 or KW 02-26 B1	0.72	0.102	1.20	0.403	1.70	6.90	350
WZ 2401 STK1	WZ 2401 or KW 02-24 B1	1.05	0.102	1.50	0.510	2.05	10.1	350
WZ 2201 STK1	WZ 2201	1.15	0.127	1.70	0.644	2.20	13.4	600
WZ 2001 STK1	WZ 2001	1.25	0.127	1.80	0.812	2.45	16.4	600

TYPE WZT, WZ xxxx STK 2 SPC

-90°C / +155°C

ETFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93522	

Standard colours
See page III

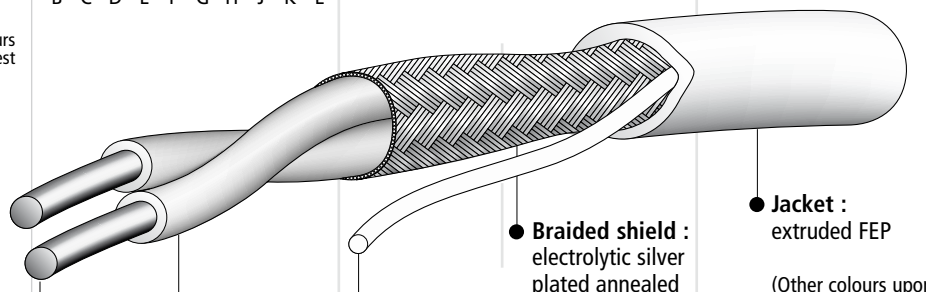
Other colours upon request

PRIMARY WIRE: B C D E F G H J K L

DRAIN WIRE

SHIELDING

JACKET: L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded ETFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 99)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WZT 3001 STK2	WZT 3001 or KW 02-30 B1	0.56	0.102	1.60	0.254	2.10	8.40	350
WZT 2801 STK2	WZT 2801 or KW 02-28 B1	0.62	0.102	1.70	0.320	2.25	9.30	350
WZT 2601 STK2	WZT 2601 or KW 02-26 B1	0.72	0.102	1.90	0.403	2.40	11.6	350
WZ 2401 STK2	WZ 2401 or KW 02-24 B1	1.05	0.127	2.60	0.510	3.35	20.2	350
WZ 2201 STK2	WZ 2201	1.15	0.127	2.80	0.644	3.60	25.6	600
WZ 2001 STK2	WZ 2001	1.25	0.127	3.05	0.812	4.10	32.4	600

TYPE WZT, WZ xxxx STK 3 SPC

-90°C / +155°C

ETFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

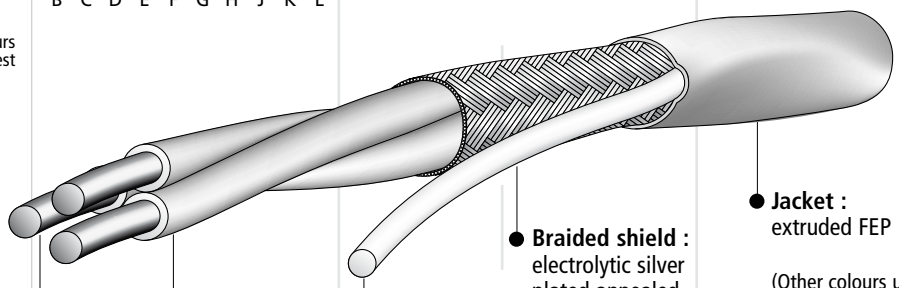
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93522	

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | DRAIN WIRE | SHIELDING | JACKET

B C D E F G H J K L — L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded ETFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 99)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WZT 3001 STK3	WZT 3001 or KW 02-30 B1	0.56	0.102	1.65	0.254	2.20	11.2	350
WZT 2801 STK3	WZT 2801 or KW 02-28 B1	0.62	0.102	1.85	0.320	2.40	12.7	350
WZT 2601 STK3	WZT 2601 or KW 02-26 B1	0.72	0.102	2.00	0.403	2.55	14.4	350
WZ 2401 STK3	WZ 2401 or KW 02-24 B1	1.05	0.127	2.80	0.510	3.50	26.4	350
WZ 2201 STK3	WZ 2201	1.15	0.127	3.05	0.644	3.85	31.9	600
WZ 2001 STK3	WZ 2001	1.25	0.127	3.25	0.812	4.20	39.4	600

TYPE WZT, WZ xxxx STK 4 SPC

-90°C / +155°C

ETFE / FEP
350 / 600 Volts AC

SPECIFICATIONS

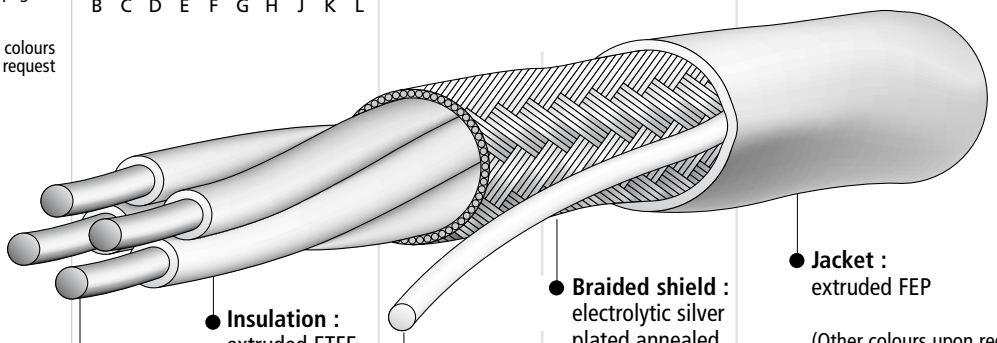
Conductor :	ASTM-B-224	ASTM-B-298
Insulation :	ASTM-D-2116	ASTM-D-3159
Insulated wire :	NF-C-93522	

Standard colours
See page III

Other colours upon request

PRIMARY WIRE | DRAIN WIRE | SHIELDING | JACKET

B C D E F G H J K L — L



- **Conductor :** electrolytic silver plated annealed copper
- **Insulation :** extruded ETFE
- **Drain wire :** electrolytic silver plated annealed copper
- **Braided shield :** electrolytic silver plated annealed copper
- **Jacket :** extruded FEP (Other colours upon request)

AXON' REFERENCE	Primary wire reference (see page 99)	Primary wire nominal ø (mm)	Shielding strand ø (mm)	Nominal braided shield ø (mm)	Drain wire ø (mm)	Nominal outer ø (mm)	Approx. weight (g/m)	Voltage rating (V AC)
WZT 3001 STK4	WZT 3001 or KW 02-30 B1	0.56	0.102	1.80	0.254	2.35	12.3	350
WZT 2801 STK4	WZT 2801 or KW 02-28 B1	0.62	0.102	2.00	0.320	2.55	14.1	350
WZT 2601 STK4	WZT 2601 or KW 02-26 B1	0.72	0.127	2.30	0.403	2.95	20.8	350
WZ 2401 STK4	WZ 2401 or KW 02-24 B1	1.05	0.127	3.10	0.510	3.80	27.4	350
WZ 2201 STK4	WZ 2201	1.15	0.127	3.35	0.644	4.25	38.7	600
WZ 2001 STK4	WZ 2001	1.25	0.127	3.60	0.812	4.70	49.8	600

CONDUCTORS

AXON'S ENGINEERS HAVE ALL THE TECHNICAL INFORMATION ON METAL MATERIALS FOR ELECTRICAL APPLICATIONS AND THEIR USE IN CONDUCTOR PRODUCTION. THEY ARE THUS ABLE TO CHOOSE THE MATERIAL BEST SUITED FOR THE MANUFACTURE OF CONDUCTORS THAT MEET THE REQUIRED SPECIFICATIONS AND APPLICATIONS.

MATERIAL	SPECIFICATIONS	CONDUCTIVITY % IACS	TENSILE STRENGTH MPa
Cu-ETP (A1)	ASTM-B-224 - NF-A-51050	100	250
Cu-OF (C1)	ASTM-B-224 - NF-A-51050	100	250
SCA	ASTM-B-624	90	420
CuBe alloy	ASTM-B-197	63	650
Aluminium	prEN 3719	60	140
Copper Clad Steel	ASTM-B-227	40 min	350

Metal plating of the conductor base material helps to improve the characteristics of the conductor surface, especially :

- resistance to oxidisation,
- solderability,
- temperature resistance,
- conductivity at high frequencies,
- resistance to possible chemical reactions with polymer insulations.

According to technical and economical requirements, three types of plating with different thicknesses are proposed : silver, nickel, tin.

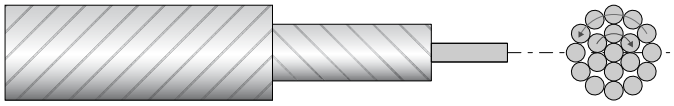
PLATING	SPECIFICATIONS	MAX. OPERATING TEMPERATURE
TIN	ASTM B33	150° to 180°C according to the size of the strands
SILVER	ASTM B298	200°C
NICKEL	ASTM B355	260°C

The conductors composed of standard numbers of strands are manufactured using different standardized assembly techniques. The products electrical, physical and mechanical characteristics conform to the specifications of transmission cables.

CONFIGURATION	SPECIFICATIONS
TRUE CONCENTRIC	ASTM-B-8
UNIDIRECTIONAL CONCENTRIC	ASTM-B-8
CONCENTRIC UNILAY	ASTM-B-8
ROPELAY	ASTM-B-172 / ASTM-B-173
BUNCH	ASTM-B-174

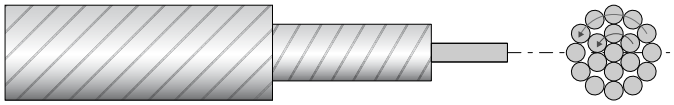
CONDUCTOR CONFIGURATIONS

TRUE CONCENTRIC



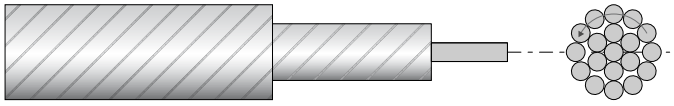
True concentric wire is a counter-directional non equilay concentric configuration where successive layers have a longer lay length in a reverse direction. The outer layer is to the left.

UNIDIRECTIONAL CONCENTRIC



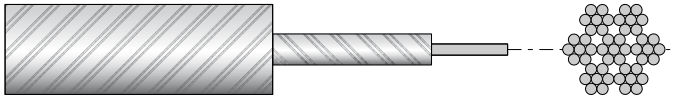
Unidirectional concentric wire is a unidirectional non equilay concentric configuration where successive layers have a longer lay length but in the same direction. The layers are laid to the left.

UNILAY CONCENTRIC



Unilay concentric wire is a unidirectional equilay concentric configuration where successive layers have the same lay length and are laid in the same direction.

ROPELAY CONFIGURATION



The conductor is of concentric construction and is composed of several of the above configurations laid either counter or unidirectionally.

BUNCH CONFIGURATION

A unidirectional configuration with random positioning of the strands. Semi or non concentric.

SPECIAL CONSTRUCTIONS

We will evaluate all types of constructions and assemblies to meet the most demanding specifications : special compositions, metal materials or not, different diameter strands, ultra flexible constructions.

FURTHER INFORMATION > Our sales team is at your disposal for any advice you may require.

CONDUCTOR DIMENSIONS

Cross reference of AWG, diameters and sections.

AWG	CONSTRUCTION OF THE CONDUCTOR		NOMINAL DIAMETER OF THE CONDUCTOR (mm)	CONDUCTOR AREA (mm^2)
	NUMBER OF STRANDS x AWG	NUMBER OF STRANDS x ø mm		
54	1 x 54	1 x 0.015	0.015	0.00017
52	1 x 52	1 x 0.020	0.020	0.00031
50	1 x 50	1 x 0.025	0.025	0.00049
48	1 x 48	1 x 0.031	0.031	0.00075
46	1 x 46	1 x 0.040	0.040	0.00126
	7 x 54	7 x 0.015	0.045	0.00124
44	1 x 44	1 x 0.050	0.050	0.00203
	7 x 52	7 x 0.020	0.060	0.00220
42	1 x 42	1 x 0.063	0.063	0.00316
	7 x 50	7 x 0.025	0.075	0.00343
41	1 x 41	1 x 0.071	0.071	0.00396
40	1 x 40	1 x 0.079	0.079	0.00490
	7 x 48	7 x 0.031	0.093	0.00528
38	1 x 38	1 x 0.102	0.102	0.0081
	7 x 46	7 x 0.040	0.120	0.0088
36	1 x 36	1 x 0.127	0.127	0.0127
	7 x 44	7 x 0.050	0.150	0.0137
34	1 x 34	1 x 0.160	0.160	0.020
	7 x 42	7 x 0.063	0.189	0.022
32	1 x 32	1 x 0.203	0.203	0.032
	7 x 40	7 x 0.079	0.237	0.034
	19 x 44	19 x 0.050	0.250	0.037
30	1 x 30	1 x 0.254	0.254	0.051
	7 x 38	7 x 0.102	0.304	0.057
	19 x 42	19 x 0.063	0.315	0.059
28	1 x 28	1 x 0.320	0.320	0.080
	7 x 36	7 x 0.127	0.381	0.089
	19 x 40	19 x 0.079	0.395	0.093
26	1 x 26	1 x 0.404	0.404	0.128
	7 x 34	7 x 0.160	0.480	0.141
	19 x 38	19 x 0.102	0.504	0.155
24	1 x 24	1 x 0.511	0.511	0.205
	7 x 32	7 x 0.203	0.609	0.227
	19 x 36	19 x 0.127	0.634	0.241
22	1 x 22	1 x 0.643	0.643	0.324
	7 x 30	7 x 0.254	0.762	0.355
	19 x 34	19 x 0.160	0.800	0.382
20	1 x 20	1 x 0.813	0.813	0.518
	7 x 28	7 x 0.320	0.960	0.563
	19 x 32	19 x 0.203	1.01	0.616
18	19 x 30	19 x 0.254	1.27	0.962
16	19 x 29	19 x 0.287	1.43	1.23
		19 x 0.300	1.50	1.34
14	19 x 27	19 x 0.361	1.80	1.94
		27 x 0.300	1.80	1.91
12	19 x 25	19 x 0.455	2.27	3.09
	37 x 28	37 x 0.320	2.22	2.98
		45 x 0.300	2.45	3.18
10	37 x 26	37 x 0.404	2.80	4.77
8	133 x 29	133 x 0.287	4.09	8.60
6	133 x 27	133 x 0.361	5.14	13.61
4	133 x 25	133 x 0.455	6.48	21.62
2	665 x 30	665 x 0.254	8.30	33.70
1	817 x 30	817 x 0.254	9.40	41.40
0	1045 x 30	1045 x 0.254	10.55	52.95
00	1330 x 30	1330 x 0.254	11.75	67.40

FEATURES OF INSULATION MATERIALS

AXON' EQUIPMENT WIRES ARE MAINLY INSULATED WITH FLUOROPOLYMER MATERIALS LIKE **PTFE** (Polytetrafluoroethylene), **ETFE** (Ethylenetetrafluoroethylene) and **FEP** (Fluoroethylene Propylene) or with **POLYIMIDE** materials.

The fluoropolymer materials characteristics are :
- Resistance to high temperatures,
- Chemical inertness,
- Excellent ageing,
- Tenacity,
- Excellent dielectric properties,
- Negligible humidity absorption,
- Good resistance to atmospheric exposure.

The production process used differs according to the materials :
PTFE presented in the form of powder is worked using a discontinuous extrusion process,
PTFE tapes use a continuous taping process.
ETFE and **FEP** are thermoplastic materials in the form of granules and use a continuous extrusion process.
For the **POLYIMIDE** insulated wires, AXON' uses POLYIMIDE tapes with a FEP coating for heat sealing. These tapes are worked using a continuous taping process. A FEP or PTFE lacquer is added for colouration. AXON' also offers equipment wires with POLYIMIDE and PTFE tapes. These products are mainly used for applications where the risk of arc tracking has to be avoided.

The following table summarises the main mechanical, thermal and electrical properties of the different insulation materials.

MAIN CHARACTERISTICS OF INSULATION MATERIALS

PROPERTIES	TEST METHOD	UNIT	PTFE	FEP	PFA	POLYIMIDE	ETFE
MECHANICAL PROPERTIES							
Density	ASTM-D-792	kg/m^3	2150	2150	2150	1550	1700
		g/cm^3	2.15	2.15	2.15	1.55	1.70
Tensile strength	ASTM-D-638	N/mm^2	24.5	20.6	27.5	230	44.1
		kg/m^2	250	210	280	2340	450
Ultimate elongation	ASTM-D-638	%	350	300	300	70	200
Flexural modulus	ASTM-D-790	N/mm^2	667	667	667		1373
		kg/cm^2	6800	6800	6800		14000
Flexlife	Tests MIT 0.2 mm, 180°	Number of cycles	750000	100000	200000	285000	30000
Impact strength	ASTM-D-256		No	No	No		No
	23°C		break	break	break		break
	-40°C	N-m/m	490	157	157		1090
Hardness	ASTM-D-785	shore D	55	55	55		75
Coefficient of dynamic friction	-	-	0.1	0.3	0.2		0.4
THERMAL PROPERTIES							
Melting point/ Transition temp.	-	°C	327	275	305	Does not melt	270
Operating temperature (20.000 h)	-	°C	260	205	260		155
Non flammability	UL - 94	-	94 V-O	94 V-O	94 V-O	94 V-O	94 V-O
Limiting oxygen index	ASTM-D-2863	%	95	95	95	37	30
Calorific value	ASTM-D-240	MJ/kg	5.0	5.0	5.0		13.8
ELECTRICAL PROPERTIES							
Dielectric constant	ASTM-D-150	(10^3 - 10^6 Hz)	2.1	2.1	2.1	3.1	2.6
Dissipation factor (tg∂)	ASTM-D-150	(10^6 Hz)	0.0002	0.0007	0.0002	0.0015	0.005
Arc Resistance	ASTM-D-495 (STAINLESS STEEL ELECTRODES)	S	> 180	> 180	> 180		15
Volume resistivity	ASTM-D-257	Ohm-cm	$>10^{18}$	$>10^{18}$	$>10^{18}$	$>10^{17}$	$>10^{16}$
Surface resistivity	ASTM-D-257	Ohm	$>10^{16}$	$>10^{16}$	$>10^{17}$		$>10^{14}$
Dielectric strength (short time)		KV/mm	24	24	24	270	16
GENERAL PROPERTIES							
Radiation resistance	-	Mrad	0.1	10	5		200
Weather resistance	Weather 0-meter (2000h)	-	No effect	No effect	No effect	No effect	No effect
Solvent resistance	ASTM-D-543	-	Excellent	Excellent	Excellent	Good	Excellent
Chemical resistance	ASTM-D-543	-	Excellent	Excellent	Excellent	Good	Excellent
Water absorption	ASTM-D-570	%	0.00	0.01	0.03	2.50	0.03

LIST OF THE MAIN SPECIFICATIONS SUITABLE FOR THE CABLE STRUCTURE

French specifications

NF-B-55007 :	this specification covers standard wooden reels for wire and cable packaging.
NF-C-20453 :	this specification defines the cables resistance to fire as well as the generated smoke and gas corrosivity.
NF-EN-60228 :	this specification defines the characteristics of the insulated cables conductors.
NF-C-32070 :	this specification defines the electrical wires and cables classification tests as to fire resistance.
NF-C-42324 :	this specification defines extension and compensation cable for thermocouples.
NF-C-93522 :	this specification deals with insulated electric wires for wire-wrap connection (type KW).
NF-C-93523 :	this specification deals with electric insulated wires for high temperatures (200°C and 260°C - Type KZ).
NF-C-93524 :	this specification deals with electric insulated wires for high temperatures (150°C - Type KU)
NF-C-93550 :	this specification defines high frequency coaxial cables (Type KX).
NF-EN-60584-1	this specification provides thermocouple reference tables for use in converting thermocouple voltages into their equivalent measured temperatures and vice versa.
NF-EN-60584-2	this specification contains the manufacturing tolerances for extension and compensating cable for thermocouples manufactured in accordance with e.m.f. temperature relationships.
NF-EN-60584-3	this specification contains the tolerances and identification system

American and Canadian specifications

SAE-AMS-3653	this specification covers standard wall tubing in extruded polytetrafluoroethylene.
SAE-AMS-3654	this specification covers thin wall tubing in extruded polytetrafluoroethylene.
SAE-AMS-3655	this specification covers medium wall tubing in extruded polytetrafluoroethylene.
ANSI-MC-96-1 :	this specification covers thermocouples and extension wires. Its purpose is to establish uniformity in the designation of thermocouples and extension wires and to provide by means of the color of its insulation, an identification of its type or composition as well as its polarity when used as part of a thermocouple system.
ASTM-B-33 :	this specification covers tinned, round, soft or annealed copper wire for electrical purposes.

LIST OF THE MAIN SPECIFICATIONS SUITABLE FOR THE CABLE STRUCTURE

ASTM-B-172 : this specification covers bare ropelay stranded conductors having bunch stranded members made from round copper wires, either uncoated or coated with tin, lead or lead-alloy for use as electrical conductors.

ASTM-B-173 : this specification covers bare ropelay stranded conductors having concentric stranded members made from round copper wires, either uncoated or coated with tin, lead or lead-alloy for use as electrical conductor.

ASTM-B-174 : this specification covers bare bunch stranded conductors made from round wires, either uncoated or coated with tin, lead or lead-alloy for use as electrical conductors.

ASTM-B-224 : this specification is a classification of the various types of copper currently available in refinery shapes and wrought products in commercial quantities.

ASTM-B-298 : this specification covers silver coated, soft or annealed, round copper wire, intended for use in electrical equipment.

ASTM-B-355 : this specification covers nickel coated, soft or annealed, round copper wire for use in electrical equipment.

ASTM-B-452 : this specification covers bare round copper clad steel wire for electronic application.

ASTM-B-624 : this specification covers high strength, high conductivity round copper-alloy wire used for electronic hook-up wire.

ASTM-D-2116 : this specification covers fluoroethylene propylene (FEP) fluorocarbon resin.

ASTM-D-3159 : this specification covers ethylene tetrafluoroethylene (ETFE) fluorocarbon resin.

ASTM-D-3307 : this specification covers perfluoroalkoxy (PFA) fluorocarbon resin.

ASTM-D-4895 : this specification covers dry-powder, resins of polytetrafluoroethylene (PTFE) that have been prepared from dispersions of PTFE by manufacturing techniques that involve controlled coagulation of the dispersions.

MIL-DTL-17 : this specification covers flexible shielded cables involving solid and semi-solid dielectrics for use as r.f. transmission lines in radar and communication systems. It covers coaxial, triaxial and twinaxial cables.

NEMA-WC27500 : this specification covers various configurations of shielded (and unshielded) aircraft and missile type cable.

MIL-DTL-16878 : this specification covers various wires intended for internal wiring of electric and electronic equipment.

SAE-AS22759 : this specification covers fluorocarbon insulated copper and copper alloy wire.

MIL-DTL-25038 : this specification covers insulated single wire for electrical use in flight critical circuits and under short time emergency conditions involving exposure to flames with temperatures up to 1093°C. (2000°F)

LIST OF THE MAIN SPECIFICATIONS SUITABLE FOR THE CABLE STRUCTURE

MIL-DTL-81381 :	this specification covers polyimide insulated single conductor electric wires made with silver coated or nickel coated conductors of copper or copper alloy.
SAE-AS81822 :	this specification covers both insulated and uninsulated solid conductor wire designed for solderless wrap (wire-wrap) connections in electrical and electronic devices and equipment.
NEMA-HP3 :	this Standards Publication covers specific requirements for PTFE insulated solid and stranded wire, designed for the internal wiring of high reliability electrical and electronic equipment.
NEMA-HP4 :	this Standards Publication covers specific requirements for FEP insulated solid and stranded wire, designed for the internal wiring of high reliability electrical and electronic equipment.
A-A-59569 :	this specification covers tinned, silver or nickel coated wires braided in tubular or flat form intended for use as shielding over electrical conductors or connections to motor brushes, controller contacts, and grounding bonds.
A-A-59551 :	this specification covers solid, bunch stranded, concentric lay stranded, and ropelay stranded round electrical wire fabricated from copper.
QS 9000 :	this American specification defines the quality systems requirements for automotive industry.
UL Std 62 :	this American standard defines requirements for fixture wires, hoistway cables and flexible cords for use in accordance with the National Electrical Code.
UL Std 83 :	this American standard covers AWG 14 to 4/0 and 126 to 1013 mm^2 sizes of 600 V AC single conductor, thermoplastic insulated wires and cables for use in accordance with the National Electrical code.
UL Std 94 :	this American standard covers tests for flammability of plastic materials used for parts in devices and appliances. They are intended to serve as a preliminary indication of their acceptability with respect to flammability for a particular application.
UL Std 224 :	this American standard covers insulating tubing that usually is round in cross section and that consists entirely of extruded compounds whose characteristic constituents are thermosetting, elastomeric or thermoplastic polymers.
UL Std 1581 :	this American standard contains specific details of the conductors, of the insulation, of the jackets and other coverings and of the methods of sample preparation, of specimen selection and conditioning and of measurement and calculation that are required in the standards for thermoplastic insulated wires and cables (UL 83), flexible cord and fixture wire (UL 62).
UL Std 758 :	this American requirements standard covers Appliance Wiring Material (AWM-category AVLV2) in the form of single insulated conductors, multiconductor cables, optical fibers, individual insulated conductors, and fiber optic members for use as components in multiconductor cables.

LIST OF THE MAIN SPECIFICATIONS SUITABLE FOR THE CABLE STRUCTURE

UL Subj 758	This standard contains five sections covering more than 4600 UL STYLE pages of AWM from single conductor wires to cables with 150 or more conductors, temperature ratings range from 60 through 500°C and voltage ratings range from 30 V AC through 60000 V DC.
CSA-C22-2 N°127 :	this Canadian standard covers insulated conductors such as PVC insulated wires intended for internal wiring of electrical equipment, for leads for transformers, motors, etc., and for luminous-tube signs and ignition systems.
CSA-C22-2N°210 :	this Canadian standard covers single or multiple conductor, round, flat or coiled Appliance Wiring Material (AWM) products for use as : Classe I - Internal wiring - Group A = where not subjected to mechanical abuse. Group B = where may be subjected to mechanical abuse. Classe II - External wiring - Group A = where not subjected to mechanical abuse. Group B = where may be subjected to mechanical abuse.

Other foreign specifications

DIN 46399 :	this German specification defines plastic delivery spools for bare and insulated wires.
DIN/ VDE 0881 :	this German specification covers insulated hook-up wires with extended temperature range for telecommunications systems and data processing systems.
RAL :	this is a German cross reference chart for various colours.
BS-3G-210 :	this British specification covers a range of PTFE insulated equipment wires and cables, single and multicore, with silver plated copper conductors or nickel plated copper conductors.
BS- 2316 :	this British specification covers coaxial and balanced twin cables intended for the transmission of radio-frequency power, and specifies requirements and tests for types of cables for service, professional and domestic use.
IEC 60096 :	this international specification defines the general requirements and measuring methods for radio-frequency cables.
IEC 60228 :	this international specification defines the solid, stranded and flexible conductors of insulated wires and cables.

LIST OF THE MAIN SPECIFICATIONS SUITABLE FOR THE CABLE STRUCTURE

IEC 60304 : this international specification defines the standard colours for insulation of low frequency wires and cables.

IEC 60331 : this international specification defines the fire resisting characteristics of electrical cables.

IEC 60332 : this international specification defines the tests on electric wires and cables under fire conditions.
Part 1 = tests on single vertical insulated wires or cables.
Part 2 = tests on single small vertical insulated wires or cables.
Part 3 = tests on bunched wires or cables.

ISO 9000 : this international specification defines the fundamentals and vocabulary for quality management systems.

ISO 9001 : this international specification defines the quality systems model for quality assurance in design, development, production, installation and servicing.

ISO 9004 : this international specification is a guideline for quality management and quality systems elements.

UNDERWRITER'S LABORATORIES
APPLIANCE WIRE (AVLV2)

AXON' CABLE France FILE NR E45046 (SUBJ. 758)

Only some of approved styles are listed hereunder. Do not hesitate to contact us for further information.

UL STYLE N°	EQUIV. AXON' WIRES	UL VOLTAGE RATING (VOLTS AC)	UL TEM-PERATURE RATING (°C)	MIN. AVERAGE INSULATION THICKNESS (NEMAS)	(mm)	INSULATION MATERIAL	WIRE SIZE RANGE (AWG)
1164	EE	300	150	13	0.33	EXT. PTFE	32 TO 10
1180	EE	300	200	13	0.33	EXT. PTFE	32 TO 10
1198	SPECIAL PTFE WIRE	600	150	20	0.51	EXT. PTFE	30 TO 10
				30	0.76		8 TO 2
				45	1.14		1 TO 4/0
1199	SPECIAL PTFE WIRE	600	200	20	0.51	EXT. PTFE	30 TO 10
				30	0.76		8 TO 2
				45	1.14		1 TO 4/0
1212	E-EE	NS (*)	80	8	0.20	EXT. PTFE	36 TO 16
1213	E-EE	NS (*)	105	8	0.20	EXT. PTFE	36 TO 16
1226	K-KK	NS (*)	80	8	0.20	FEP	32 TO 20
	KK			13	0.33		19 TO 14
1227	K-KK	NS (*)	105	8	0.20	FEP	32 TO 20
	KK			13	0.33		19 TO 10
1330	SPECIAL FEP WIRE	600	200	20	0.51	FEP	30 TO 10
				30	0.76		8 TO 2
				45	1.14		1 TO 4/0
1331	SPECIAL FEP WIRE	600	150	20	0.51	FEP	30 TO 10
				30	0.76		8 TO 2
				45	1.14		1 TO 4/0
1332	KK	300	200	13	0.33	FEP	30 TO 10
1333	KK	300	150	13	0.33	FEP	30 TO 10
1371	ET-E-EE-KT-K-KK	NS (*)	105	5.5	0.14	EXT. PTFE	36 TO 20
	E-K-EE-KK			8	0.20	OR FEP	19 TO 16
	KK-EE			13	0.33		15 TO 10
				20	0.51		9 TO 6
1508	ZL-ZN-ZZ	30	105	5.5	0.14	ETFE	32 TO 20
1513	ZL-ZN-ZZ	NS (*)	105	5	0.13	ETFE	36 TO 20
1516	ZL-ZN-ZZ	NS (*)	105	4	0.10	ETFE	36 TO 20
1517	ZN-ZZ	NS (*)	105	6	0.15	ETFE	32 TO 20
1523	ZL-ZN-ZZ	NS (*)	105	5	0.13	ETFE	32 TO 20
1538	ET-E-EE-KT-K-KK	125	105	5.5	0.14	EXT. PTFE	36 TO 20
				8	0.20	FEP	19 TO 15
	E-K-EE-KK			13	0.33		14 TO 10
	KK-EE			20	0.51		9 TO 6
1584	SPECIAL PTFE WIRE	1000	200	22	0.56	EXT. PTFE	30 TO 10
1643	ZZ	300	150	13	0.33	ETFE	32 TO 10
			20	0.51			8 TO 2
			30	0.76			1 TO 4/0
1644	SPECIAL ETFE WIRE	600	150	20	0.51	ETFE	30 TO 10
			30	0.76			8 TO 2
			45	1.14			1 TO 4/0

.../...

UNDERWRITER'S LABORATORIES
APPLIANCE WIRE (AVLV2)

UL STYLE N°	EQUIV. AXON' WIRES	UL VOLTAGE RATING (VOLTS AC)	UL TEM-PERATURE RATING (°C)	MIN. AVERAGE INSULATION THICKNESS (MILS)	(mm)	INSULATION MATERIAL	WIRE SIZE RANGE (AWG)
1659	SPECIAL PTFE	600	250	20	0.51	EXT. PTFE	26 TO 10
	WIRE			30	0.76		8 TO 2
	(NPC)			45	1.14		1 TO 4/0
1716	ET-E-EE-KT-K-KK		150	5.5	0.14	EXT. PTFE,	40 TO 20
	E-EE-K-KK	150		8	0.20	FEP	19 TO 15
	EE-KK			13	0.33		14 TO 10
				20	0.51		9 TO 6
1815	EE (NPC)	300	250	13	0.33	EXT. PTFE	32 TO 10
1880	SHIELDED AND	600	150	MIN. AVERAGE ETFE		EXT. PTFE,	36 to 16
	ETFE JACKETED			JACKET THICKNESS		FEP OR ETFE	
	SINGLE WIRE			15	0.38	INSULATED	
						SINGLE WIRE	
1927	ET-E-EE-KT-K-KK	30	105	5	0.127	EXT. PTFE-	BIGGER THAN
	ZL-Z-ZZ			AT ANY	AT ANY	FEP	AWG 40
				POINT	POINT	OR ETFE	
1988	Z-ZZ	150	105	9	0.23	EXT. ETFE	32 TO 10
1989	ZZ	300	105	12	0.305	EXT. ETFE	32 TO 10
1990	SPECIAL	600	105	20	0.51	EXT. ETFE	30 TO 10
	ETFE WIRE			30	0.76		8 TO 2
				45	1.14		1 TO 4/0
10345	KT - K - KK	150	200	5.5	0.14	FEP	40 TO 20
	K - KK			8	0.203		19 TO 15
	KK			13	0.33		14 TO 10
				20	0.51		9 TO 6
10358	SPECIAL ETFE WIRE	150	1000	20	0.51	ETFE	30 TO 10
				30	0.76		8 TO 2
				45	1.14		1 TO 4/0
20535	FEP SHIELDED	30	105	INSULATED		FEP	(2 COND.)
	AND JACKETED			THICKNESS	0.076	INS. AND	AWG 30
	CABLE			3	(AT 1 POINT)	JACKET	
				(AT 1 POINT)	0.102		
				JACKET			
				THICKNESS			
				4			
20700	MULTICONDUCTOR	30	105	(AT 1 POINT)	0.051	PTFE, FEP	(2 TO 10 COND.)
	PTFE OR FEP			2		OR ETFE,	BIGGER
	JACKETED CABLE					INS. WIRE	THAN
							AWG 40

(*) NS = Not Specified

GLOSSARY

FOREWORD

This glossary is presented to assist in the design, selection, procurement and specification of wire and cable products. Due to the limited space available and in the interest of simplicity, we have kept to a minimum of the most commonly used words and expressions. We trust that in some measure our presentation here will be of service and please do not hesitate to consult our engineering services for any additional information you may require.

A

A : letter typical of miniature wires for wire-wrap connections.

AFNOR : (Association Française de Normalisation) French Standard Association.

AISI : (American Iron and Steel Institute) American Institute which defines irons and steels.

ALLOY : metal made of the fusion of two or more metals.

ALUMEL® : magnetic alloy used for thermocouple and thermocouple extension wire. Alumel is a registered trademark of Hoskins Mfg. Co.

ANNEALING : thermal treatment process which consists of heating a metallurgical product at a sufficient temperature to recover some or all of its structural and physical-chemical balance and then gradually cooling it.

ANSI : (American National Standards Institute) a federation of trade, technical and professional organizations, government agencies and consumer groups, coordinates standards development and publishes standards.

ARMOUR : overall metallic braid or helically applied metallic tapes primarily for the purpose of mechanical protection.

ASA : (American Standards Association) see ANSI.

ASTM : (American Society for Testing Materials) an organization which tests materials and establishes standards for the testing of various materials for industry.

ATTENUATION : the loss of power or signal in a circuit expressed in decibels (dB).

AWG : (American Wire Gauge) system commonly used for describing the size of copper wire. It is based on the circular mil system. 1 mil equals 0.0254 mm or 25.4 microns.
Example : AWG 3001 -> Ø = 0.254 mm).

B

BRAIDED SHIELD : metal part made of woven bare, coated copper or aluminium strands used as electrical screening of wires and cables.

B.S.I. : British Standard Institute.

BUNCH STRAND : a conductor in which all individual strand are twisted in the same direction without regard for geometrical arrangement.

"BUS BAR" : a conductor, copper bar used to make a common connection between several circuits.

C

CABLE : usually two or more insulated wires covered with an outer sheath (or jacket) overall.

CAPACITANCE : property of a system of conductors and dielectrics which permits the storage of electricity where potential difference exists between two conductors. It is expressed in farads and their submultiples.

CARRIER : set of fine metal or textile parallel strands woven together resulting in a braid.

CCQ : Centralized Control of Quality, French organization which controls and warrants the quality of electronic components.

CELSIUS TEMPERATURE SCALE : (or centigrade temperature scale). Temperature scale based upon the water freezing point defined as zero degree and the boiling point defined as 100 degrees.

CHROMAX® : Chromax® is a DRIVER HARRIS registered trademark for a resistent wire. It is a 35% nickel, 20% chromium and 45% iron alloy.

CHROMEL® : non magnetic alloy used for thermocouple and thermocouple extension wires. Chromel is registered trademark of Hoskins MFg. Co.

CHROMEL®-ALUMEL® : (nickel chromium - nickel aluminium) thermocouple that permits temperature measurements. This combination is the most commonly used for it can measure temperatures from 0°C to + 1200°C.

CIRCULAR MIL (CMIL) : term used to define conductors' cross-sectional area (particularly in USA). It is equal to the area of a circle 1/1000 of an inch in diameter (1 CMIL = 0.0005067 sqmm or 0.785398×10^{-6} $inch^2$).
Example : 250000 CMILS = 126.67 sqmm.

CLOTHING : continuous tube insulating the conductor.

COAXIAL CABLE : coaxial cable is a two conductor cable in which one conductor completely surrounds the other. Both conductors have a common axis and are separated by a continuous uniform insulation or dielectric thickness.

CONDUCTANCE : reciprocal of resistance (1/R).

CONDUCTIBILITY : property of an element to transmit electricity.

CONDUCTIVITY : reciprocal of volume resistivity (S/m) ($1/\rho$).

CONDUCTOR : it is the inner part of an insulated wire transmitting electrical current. A conductor usually consists of copper, aluminium, steel, nickel, silver or other materials.

CONSTANTAN® : 55% copper and 45% nickel alloy used in thermocouple and extension wires.

GLOSSARY

COPPER : basic metal for electrical conductors used either bare or silver, tin or nickel plated. Normally two types are used in wire and cable :
Cu a1 or ETP, copper with a purety of 99.90%
Cu c1 or OFHC, copper free from oxygen with a purety of 99.95%.

COPPER-CONSTANTAN : thermoelectric couple that permits temperature measurements from about -180°C to +300°C.

COPPER-CUPRONICKEL® : thermoelectric couple compensating the couple platinum rhodium-platinum.

COPPERCLAD® : nickel iron alloy (generally 42% nickel) covered with a layer of copper of variable thickness according to the conductibility needed.

COPPERWELD® : Copperweld is a Copperweld Steel Company registered trademark for a hard or soft annealed steel wire coated with a layer of copper of variable thickness according to conductibility needed.

CORE : made of two components (conductor and insulation). It could be an insulated wire or the inner part (under the outer conductor) of a coaxial cable.

CORONA : (effect) luminous discharge due to gas ionization surrounding a conductor submitted to a voltage gradient exceeding a critical value.

COVERAGE : ratio expressed in percent of the cable area actually covered with a braid on the total cable area (under the braid).

C.S.A. : Canadian Standard Association.

CUT-THROUGH : resistance of an insulation to penetration with a sharp object under conditions of pressure, temperature, etc.

D

DIELECTRIC : name given to any insulating material that is not a conductor of electricity.

DIELECTRIC CONSTANT : specific inductive capacity. Property of a dielectric to store electro-static energy.

DIELECTRIC LOSS : lost energy when the dielectric is placed in a variable electric field.

D.I.N. : (Deutsches Institut für Normung) standardization Association in Germany.

DISSIPATION FACTOR : the loss angle tangent of the insulation material.

DRAIN WIRE : an uninsulated solid or stranded conductor which is placed within a cable in contact with an electrical shielding braid or tape.

E

E : hook-up wires insulated with polytetrafluoroethylene (PTFE) with an operating voltage equal to 600 V AC.

GLOSSARY

EE : hook-up wires insulated with polytetrafluoroethylene (PTFE) with an operating voltage equal to 1000 V AC.

ET : hook-up wires insulated with polytetrafluoroethylene (PTFE) with an operating voltage equal to 250 V AC.

ETFE : (Ethylene tetrafluoroethylene) thermoplastic resin used to insulate wires and cables with an operating temperature rating from -90°C to +155°C.

EXTENSION CABLE : a pair of wires used to connect a thermocouple cable to a temperature meter.

EXTRUSION : a processing method whereby heated or unheated materials are forced through a shaping outlet or die under pressure to become a continuous formed shape. For wire and cable the insulation is applied around the conductor and the jacket material around the cable core in continuous, by one of two, extrusion methods.
Ram extrusion involves a hydraulic ram to force materials such as PTFE contained in the extruder barrel through the die. Screw extrusion involves the use of a screw designed to convey the material and force it through the die.

E 45046 : AXON' CABLE "UL" file number for the Recognition of Appliance Wiring Material. (AWM - Category : AVLV2) electrical wires and cables.

E 108916 : AXON' CABLE "UL" file number for the Recognition of extruded unshrinkable PTFE tubing (Category : YDPU2) for electrical purpose.

F

FAHRENHEIT TEMPERATURE SCALE : a temperature scale based upon the water freezing point defined as 32°F (0°C) and the boiling point defined as 212°F (100°C).
Formulae - °F = °C x 9/5 + 32

FEP : (Fluoroethylene propylene) thermoplastic resin used to insulate wires and cables with an operating temperature rating -90°C to + 200°C.

FEET : English unit of measure = 12 inches = 304.8 mm = 0.3048 m.

G

GREY : radiation dose (1 Gy = 100 Rad)

H

H : hook-up wires insulated with polyimide with an operating voltage equal to 600 V AC. (medium weight).

HIGH VOLTAGE : wire or cable with a voltage exceeding 600 V AC.

HOOK-UP WIRES : insulated wires with a section generally less than 3 mm^2 used in electronic wiring.

HT : hook-up wires insulated with polyimide with an operating voltage equal to 600 V AC. (light weight).

GLOSSARY

I

IEC : International Electrotechnical Committee.

IMPEDANCE : the total opposition (i.e. resistance and reactance) a circuit offers to the flow of alternating current.
Volts per ampere ; ohms.

INCH : English unit of measure (1 inch = 25.4 mm).

I**NSULATION RESISTANCE** : the resistance of an insulation material to the flow of current resulting from an impressed D.C. voltage.

IPCEA : (Insulated Power Cable Engineers Association). Association of power cable engineers from many different American companies. The object is to establish standards in the insulated power cable industry.

IRON : metal used in thermocouple and extension cables.

IRON-CONSTANTAN : thermoelectric couple which permits temperature measurements from 0°C to + 750°C.

ISO : International Organization for Standardization.

J

JACKET : (or sheath) overall cable cover normally providing mechanical and environmental protection.

K

K : hook-up wires insulated with fluoroethylene propylene (FEP) with an operating voltage equal to 600 V AC.

KK : hook-up wires insulated with fluoroethylene propylene (FEP) with an operating voltage equal to 1000 V AC.

KT : hook-up wires insulated with fluoroethylene propylene (FEP) with an operating voltage equal to 250 V AC.

KU : symbol designating hook-up wires insulated with ethylene tetrafluoroethylene (ETFE) according to the French specification NF-C-93524.

KW : symbol designating insulated single wires for wrapping according to the French specification NF-C-93522.

KX : symbol designating coaxial cables according to the French specification NF-C-93550.

KZ : symbol designating hook-up wires insulated with polytetrafluoroethylene (PTFE) according to the French specification NF-C-93523.

GLOSSARY

L

LL 44552 : AXON' CABLE " CSA" file number for the Certification of Appliance insulated wire and cable (class 585101).

LOW NOISE : semi-conductive coating applied on the dielectric of a core or wire to reduce to a minimum any signals generated by the motion of the cable components in respect to each other. This coating is often used to reduce the noise level in Radio Frequency coaxial cables or microphone cables.

LOW VOLTAGE : voltage inferior or equal to 600 V AC.

M

M : symbol designating a polyester separating tape in a cable. Symbol also designating a wrapped and sealed polyester insulated single wire with voltage rating 600 V AC.

MAGNET WIRE : insulated copper wire used for winding coils, motors and transformers.

MANGANIN® : resistance wire registered trademark. It is an alloy made of 86% copper, 12% manganese and 2% nickel.

M.C.M. : 1000 circular mils (103 cmils) = 0.506707 sqmm.
(example : 250 MCM = 250000 CMILS = 126.67 sqmm).

MFA : (perfluoromethoxy) thermoplastic fluorinated resin used for the insulation of single wires and the jacketing of cables. Working temperature : -90°C to +250°C.

MICA : inorganic tape included in the composition of cables offering resistance to very high temperatures, flame and fire.

MICRON : one-thousandth of a millimeter / = 0.001 mm.

MICROINCH : one-millionth of an inch (= 2.54 : 1 000 000 = 2.54 x 10^{-5} mm).
Example : 40 µinches = 1.01 µmm.

MIL : one-thousandth of an inch = 0.0254 mm = 25.4 microns.

MIL SPECIFICATION : American military specification for various materials.

MYLAR® : registered trademark for a polyester film used as separating tape in multiconductor cables.

MYLAR ALUMINIUM TAPE : polyester film and aluminium foil lamination used as shield.

N

N.E.M.A. : (National Electrical Manufacturers Association) American organization well known for electrical motors and gear reducers standardization and for electrical wire and cable specifications.

GLOSSARY

NICHROME® : Driver Harris registered trademark for a resistance wire mainly made of nickel and chromium in various ratios according to the type.

NF SPECIFICATION : French specification for various materials established by ASSOCIATION FRANCAISE DE NORMALISATION.

NICKEL PLATING (NP) : electrolytic process by which a thin uniform layer of nickel is put on copper or other materials.
(generally = min 50 µinches = mini 1.27 µ thickness according to ASTM-B-355).

NOMEX® : DUPONT DE NEMOURS registered trademark for an aramid fiber with an excellent mechanical resistance, good resistance to high temperature radiation and chemicals.

NPC : (Nickel Plated Copper) symbol designating a nickel plated electrolytic copper conductor.

O

OZONE : allotropic variety of oxygen produced by discharge of electricity into air.

P

P : letter typical of a whole family of hook-up wires insulated with thermoplastic resin perfluoralkoxy (PFA).

PFA : (Perfluoralkoxy) thermoplastic fluorinated resin used for the insulation of single wires and the jacketing of cables. Working temperature : -90°C to +260°C.

POLYAMIDE : polymers resulting from polycondensation of diacides or diamines or aminoacides.

POLYETHYLENE : name given to a whole family of insulating materials derived from the polymerisation of ethylene gas, with good electrical characteristics.

POLYIMIDE : high temperature resin used as wire and cable insulation (particularly in aeronautics) due to its excellent mechanical and electrical characteristics.

POWER CABLE : wire or cable carrying adequate current capacity to supply power.

PTFE IMPREGNATION : impregnation of a glass fiber braid with polytetrafluorethylene (PTFE) lacquer.

Q

QPL : Qualified Product List issued by the US Governement Agency.

QUALITY CONTROL : Control department responsible for maintaining a high and constant quality level for all products.

GLOSSARY

R

R : letter typical of thermoplastic rubbers in the composition of outer jacket electrical cables.

RAD : radiation dose corresponding to an absorption of an inertia equal to 10^5 Joule per gramme of material. (1 Rad = 0.01 Gy).

REM : cooling irradiation dose. Unit used in biological tests on the human being where REM equals.1 RAD x factor of radiation x factor of radiation distribution.

RESILIENT : number typical of impact strength of a material.

RESISTIVITY : the longitudinal electrical resistance of a uniform rod of unit length and unit cross sectional area (expressed in $m\Omega.cm^2/cm$).

RG : (Radio Frequency Government) symbol designating coaxial cables, following MIL-C-17 American standard. (example : M17/93 - RG178)

R.M.S. : (Root Mean Square) a means of expressing AC voltage or AC current in terms of D.C. (approximatively 80% of alternative current peak voltage).

ROENTGEN : Unit of X or radiation quantity equivalent to X or radiation quantity so that corpuscular emission connected with it produces ions into air carrying a quantity of electricity of one or other sign equal to 1/3 10^9 coulombs.

ROPELAY : a conductor made of multiple groups of strands (i.e. a 133 strands conductor is made of nineteen strands laid into a group and then seven such groups laid cabled)

S

S : letter typical of single or multiconductor shielded cables but with no outer jacket.

SERVED WIRE SHIELD (or helicoidal shield) : screen made of a group of metallic strands helicoidally applied around one or more insulated wires.

SHIELDING : the process of applying a metallic braid composed of tinned or bare copper over the insulated conductors. The shielding effectiveness is in proportion to the amount of coverage, usually expressed in percentage.

SILICONE IMPREGNATION : impregnation of a textile braid with silicone varnish.

SILVER PLATING (SP) : electrolytic process by which a thin uniform layer of silver is put on copper or other metals.
(generally mini 40 µinches = mini 1.01 µ thickness according to ASTM-B-298).

SINTERING : usual term for fusing polytetrafluoroethylene paste compound at high temperatures.

SPARK TEST VOLTAGE : dielectric test applied to wire or cable during its manufacturing to determine if there are electrical defects in the insulation or sheath.

GLOSSARY

SCA : (Special Copper Alloy) silver plated high strength copper alloy according to ASTMB 624 standard.

SPC : (Silver Plated Copper) symbol designating a silver plated electrolytic copper conductor.

SPCA : (Silver Plated Copper Alloy) symbol designating a silver plated copper alloy conductor.

STK : designation of single or multiconductor shielded cables with an outer jacket in fluorethylene propylene (FEP).

STRAND : individual wire of any stranded conductor.

STRANDED CONDUCTOR : (twist) a conductor made with a specified number of strands. Ropelay strand, for example, is a conductor made of multiple groups of strands. A 7x19 ropelay strand has 19 wires laid into a group and then 7 such groups cabled laid into a conductor.

STRAPPING : coupling by wire-wrap connections of two pins with an uninsulated solid conductor.

STZ : designation of single or multiconductor shielded cables with an ethylene tetrafluoroethylene (ETFE) outer jacket.

T

TAPING : a method or process to insulate electrical wires and cables. Insulation of helically wound tapes applied over a conductor. This operation can possibly be followed with a sintering according to the tape-type used.

TEFLON® : DUPONT DE NEMOURS registered trademark for a family of powders or resins such as PTFE - FEP - PFA.

TEFZEL® : DUPONT DE NEMOURS registered trademark for a thermoplastic resin named ethylene tetrafluoroethylene (ETFE).

THERMOCOUPLE : union of dissimilar metals submitted to various temperatures in order to create an electromotrice force (E.M.F.). The voltage is usually in micro or millivolts.

THERMOPLASTICS : range of resins being easily softened under heat.

TIN PLATING : process by which a thin uniform layer of tin is applied to copper or other materials. Two types of process : electrolytic or by bath.

TINSEL CONDUCTOR : stranded conductor in which each strand is very thin copper ribbon spirally wrapped around a textile yarn.

TITLE : quotient expressed in percent of silver, tin or nickel masses by a silver plated, nickel plated or tinned conductor.

TPC : (Tin Plated Copper) symbol designating a tin plated copper conductor.

TRIAXIAL CABLE : cable made of three concentric conductors.

GLOSSARY

TRUE CONCENTRIC : (lay conductor) a single conductor made of a central core surrounded by one or more layers of helically laid wires. Each of these succeeding layers is applied with an opposite direction of twist.

U

UHF : (Ultra-High Frequency) frequency from 300 up to 3000 MHz.

UL RECOGNIZED : a product that has been tested and approved to Underwriters Laboratories Standards and Styles.

UL : (Underwriters Laboratories Inc.) American organization founded in 1894, sponsored by the National Board of Fire Underwriters and chartered as a non profit organization. Maintains and operates laboratories for the examination and testing of devices, systems and materials relative to life, fire and casualty, hazards and crime prevention.

U.N.E. : Spain Standardization Union.

UNIDIRECTIONAL CONCENTRIC : conductor constructed with a central core surrounded by more than one layer of helically laid wires. All layers having a common lay direction with an increase in length of lay for each successive layer.

UNILAY CONDUCTOR : an inner strand surrounded by one or more concentric layers of helically wound, strands in a fixed geometrical arrangement with the direction and length of lay the same for each layer.

U.T.E. : Technical Union of electricity. French Organization for the publications of standards for the electric field.

V

V.D.E. : (Verband Deutscher Elektrotechniker) German Standardization Organization.

VELOCITY OF PROPAGATION : velocity of propagation, commonly called velocity, is the ratio of the speed of the flow of an electric current in an insulated cable to the speed of light. All insulated cables have this ratio and it is expressed in percentage.

V.H.F. : (Very High Frequency) Frequency from 30 up to 300 MHz.

W

W : letter typical of a whole family of wires and cables used in wire wrapping.

WRAPPING : process to connect rapidly an insulated wire on a pin with a special tool, a single conductor coiled helically round a pin with a square or rectangular section. The turns are joined.

Z

Z : letter typical of a whole family of hook-up wires insulated with ethylene tetrafluoroethylene (ETFE).

GLOSSARY

ZL : hook-up wires insulated with ETFE with an operating voltage equal to 600 Volts AC (light weight).

ZN : hook-up wires insulated with ETFE with an operating voltage equal to 600 Volts AC (medium weight).

ZZ : hook-up wires insulated with ETFE with an operating voltage equal to 1000 Volts AC.

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