SHIELDED XLPE INSULATION - CPE JACKET TYPE TC 600 VOLT

Construction

Conductor:
- Awg size and stranding: 18 Awg (or) 16 Awg Class B stranding.
- Material: Soft drawn tinned or bare copper. **Must specify at time of order.**

Insulation:
- Material: FR-XLPE per UL 44, XLPE, VW-1.
- Wall thickness: .030" The minimum average shall not be less than 90% of the specified thickness.
- Conductor OD: .119+/-.002"

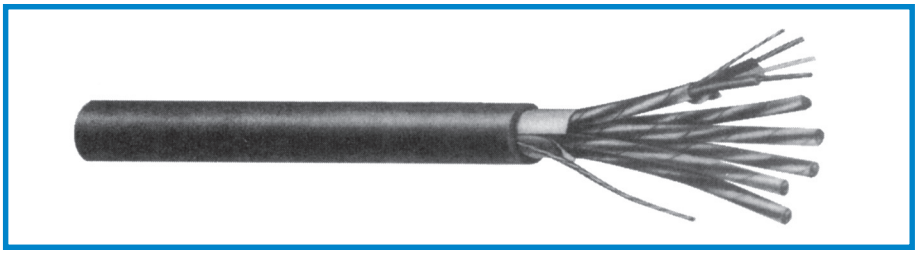
Color Code:
- Code: Per customer requirement. Most common black/white and numbered. (K-1) **Specify when ordering.**

Assembly:
- Filler: Only where necessary for a round cable construction.
- Binder: Where necessary for a tight cable core and ease of jacket stripping.
- Pair Shield: Aluminum polyester foil. 100% Coverage.
- Pair Drain: 22 Awg 7 strand tinned copper.
- Overall Shield: Aluminum polyester foil. 100% Coverage.
- Drain Wire: 22 Awg 7 strand tinned copper.

Jacket:
- Material: Thermo-plastic Chlorinated polyethylene (CPE) Jacket compound meets the requirements of Part 4 of ICEA S-73-532, Table 4-2 (CPE-TP), and the Sunlight resistant and Oil Resistant II requirements of UL Standard 1277.
- Wall thickness: The average jacket thickness shall be in accordance with UL standard 1277. The minimum thickness at any point shall be not less than 80% of the specified average thickness. (See Table I).
- Color: Black.

Surface Markings:
- Type: Cables shall be identified by means of surface ink jet.
- Legend: Type TC, (UL), 600V, No. Conductors, Size, XLP/CPE, Shielded (or not), Sun Res, Dir Bur, Per, Sequential Footage Marker, E#.

Standards:
- UL listed as type TC per standard 1277 for tray cables.
- Cables UL listed for direct burial.
- Individual conductors pass UL's VW-1 flame test.
- Individual conductors UL listed as XLPE.
- Overall jacket UL listed as sunlight resistant and oil resistant I and II.
- Cables pass UL 1202. IEEE 383, and ICEA T-29-520 210,000 BTU/Hour flame test.
- Cables meet requirements of ICEA S-73-532, NEMA WC57 for control cables.



CUSTOM CATALOG NUMBER	SIZE AWG/MCM	PR/TR COUNT	INSULATION THICKNESS	SHIELD TYPE	JACKET THICKNESS	NOMINAL O.D.
46000	18	1pr (or 2 Cond'r)	.030"	OAS	.045"	.304"
46002	18	3pr	.030"	SPOS	.045"	.471"
46003	18	4pr	.030"	SPOS	.060"	.580"
46004	18	6pr	.030"	SPOS	.060"	.691"
46005	18	8pr	.030"	SPOS	.060"	.750"
46006	18	9pr	.030"	SPOS	.060"	.809"
46007	18	12pr	.030"	SPOS	.080"	.951"
46008	18	18pr	.030"	SPOS	.080"	1.110"
46009	18	24pr	.030"	SPOS	.080"	1.263"
46500	16	1pr (or 2 Cond'r)	.030"	OAS	.045"	.330"
46501	16	2pr	.030"	SPOS	.045"	.517"
46502	16	3pr	.030"	SPOS	.045"	.582"
46503	16	4pr	.030"	SPOS	.060"	.635"
46504	16	6pr	.030"	SPOS	.060"	.760"
46505	16	8pr	.030"	SPOS	.060"	.825"
46506	16	9pr	.030"	SPOS	.060"	.931"
46507	16	12pr	.030"	SPOS	.080"	1.046"
46508	16	18pr	.030"	SPOS	.080"	1.224"
46509	16	19pr	.030"	SPOS	.080"	1.224"
46510	16	20pr	.030"	SPOS	.080"	1.261"
46511	16	24pr	.030"	SPOS	.080"	1.394"

18 Awg and 16 Awg multi-pair overall shielded (**OAS**) (or) shielded pairs and overall shielded control cable (**SPOS**). Tinned or bare copper conductor, XLPE insulated, CPE jacketed. Cables are manufactured in accordance with UL standard 1277 type TC. Suitable for use in Class I, II, Division 2 hazardous locations. Cables are approved for installation in cable tray per Article 336 of the NEC. Cables may be installed in open air, in ducts or conduits, in tray or trough, and suitable for direct burial. Sunlight resistant jacket. Oil resistant I and II per UL 1277, 600V 90 deg. C wet or dry. Passes 70,000 BTU Vertical tray flame test per UL 1277, 1202 and IEEE383.

All Measurements are nominal.

Capability Specification
The above material is made to order. We can make it either with an overall shield (OAS) or each pair plus overall shield (SPOS) construction. This material may be supplied in 300 or 600 volts. Construction can be either pairs or triads. Other types of jackets are available as well. **Customer must specify when ordering.**