TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 133%, 420-MILS

Single Conductor Filled Copper -Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a moisture blocked cross-linked polyethylene (XLPE) jacket.

APPLICATIONS

- Suitable for underground primary power applications: direct burial or in duct.
- For wet or dry locations
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- Excellent resistance to treeing
- Designed to operate continuously at a conductor temperature not exceeding
  - 105°C for normal operations
  - 140°C for emergency overload
  - 250°C for short circuit

CONSTRUCTION	
CONDUCTOR	Annealed bare copper (filled) Class B Strand Compressed
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	Helically applied, annealed, solid bare copper wires
JACKET	Moisture blocked Cross-linked Polyethylene (XLPE)
PACKAGING	Non-returnable wooden reels

STANDARDS (Compliance)	
PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-8 ICEA S-94-649 ICEA-T-34-664 UL 1072

SPECIFICATIONS

Part Number	Conductor Size	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs/kft)
E9NWT-B85B01CA20	1250 kcmil	1.25	2.13	28 x 10 AWG (1/3N)	0.080	2.62	6,386

**The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request.*