



# TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 25kV 100%, 260-MILS Single Conductor Un-Filled Copper -Silicone Free

## DESCRIPTION

This specification covers cables that consist of Copper un-filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a 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		STANDARDS (Compliance)	
<b>CONDUCTOR</b>	Annealed bare copper (unfilled) Class B Strand Compressed	<b>PERFORMANCE</b>	AEIC CS8 ASTM B-3 ASTM B-8 ICEA S-94-649 UL 1072
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer		
<b>INSULATION</b>	Tree-retardant cross-linked polyethylene (TR-XLPE)		
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer		
<b>SHIELD</b>	Helically applied, annealed, solid bare copper wires		
<b>JACKET</b>	Cross-linked Polyethylene (XLPE)		
<b>PACKAGING</b>	Non-returnable wooden reels		

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)
E9KWT-B21B01CA00	750 kcmil	0.968	1.52	19 x 10 AWG (1/3N)	0.080	1.99	3,854

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