

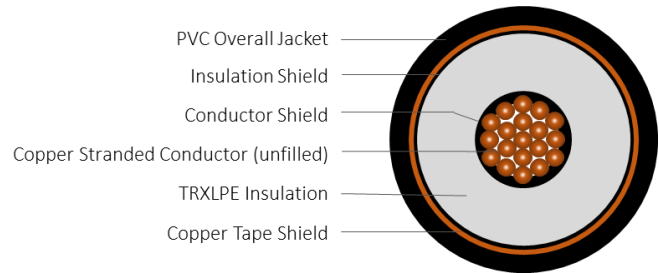
**TR-XLPE/CTS/PVC, Type MV-105, 35kV 100%, 345-MILS**  
**Single Conductor Un-Filled Copper -Silicone Free**

**DESCRIPTION**

This specification covers cables that consist of Copper un-filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper taped shield (CTS) and a polyvinyl chloride (PVC) jacket.

**APPLICATIONS**

- Primary installations include cable trays, outdoor locations, in conduit, duct, free air and raceways.
- Direct buried if installed in a system with a ground conductor that is in close proximity and conforms to NEC 250.4(A)(5)
- In wet or dry locations.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- For CT use for 1/0 AWG and larger
- 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-97-682 ICEA S-93-639 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>	5-mil copper tape with a 25% overlap		
<b>JACKET</b>	Polyvinyl Chloride (PVC)		
<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)
E8MUE-B51B01CA00	1000 kcmil	1.117	1.84	CTS with 25% overlap	0.105	2.14	4,395

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