

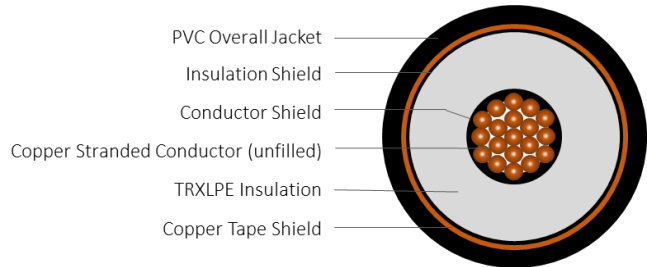
TR-XLPE/CTS/PVC, Type MV-105, 5kV 133%, 115-MILS
Single Conductor Un-Filled Copper -Silicone Free

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)	
CONDUCTOR	Annealed bare copper (unfilled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-8 ICEA S-97-682 ICEA S-93-639 UL 1072
STRAND SHIELD	Thermoset semi-conducting polymer		
INSULATION	Tree-retardant cross-linked polyethylene (TR-XLPE)		
INSULATION SHIELD	Thermoset semi-conducting polymer		
SHIELD	5-mil copper tape with a 25% overlap		
JACKET	Polyvinyl Chloride (PVC)		
PACKAGING	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)
E8FUE-A61B01CA00	500 kcmil	0.789	1.06	CTS with 25% overlap	0.075	1.29	2,010

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