

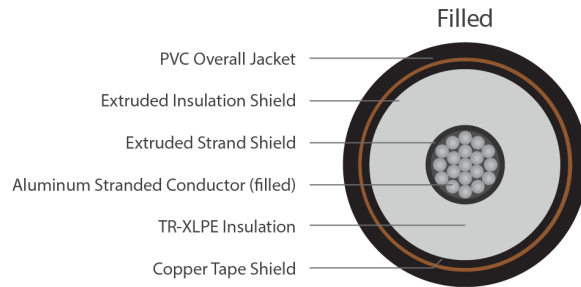
## TR-XLPE/CTS/PVC Power, Type MV-105, 35kV 133%, 420-MILS Single Conductor Filled Aluminum 1350-Silicone Free

### DESCRIPTION

This specification covers cables that consist of Aluminum 1350 filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper taped shield (CTS) and a moisture blocked polyvinyl chloride (PVC) 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

<b>CONDUCTOR</b>	Aluminum 1350 (filled) Class B Strand Compressed
<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 reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B-230 ASTM B-231 ICEA S-97-682 ICEA S-93-639 ICEA T-34-664 UL 1072
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### PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (Kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / Mft)
E8NUE-B86F01CA20	1250	1.25	2.13	CTS with 25% overlap	0.105	2.46	2,965

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