

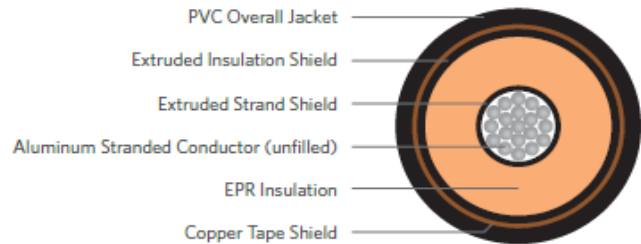
EPR/CTS/PVC, Type MV-105, 5kV 133%, 115-MILS
Single Conductor Un-Filled Aluminum -Silicone Free

DESCRIPTION

This specification covers cables that consist of Aluminum un-filled conductor, covered with ethylene propylene rubber (EPR), copper taped shield (CTS) and a 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		STANDARDS (Compliance)	
CONDUCTOR	1350 Aluminum (unfilled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B-230 ASTM B-231 ICEA S-97-682 ICEA S-93-639 UL 1072
STRAND SHIELD	Thermoset semi-conducting polymer		
INSULATION	Ethylene propylene rubber (EPR)		
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)
E8FLE-A83F01CA00	600 kcmil	0.866	1.10	CTS with 25% overlap	0.075	1.34	1,090

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