

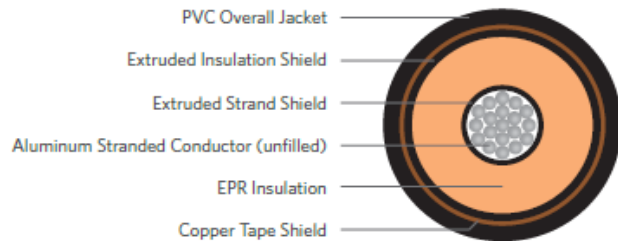
**EPR/CTS/PVC, Type MV-105, 35kV 133%, 420-MILS**  
**Single Conductor Un-Filled Aluminum -Silicone Free**

**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)	
<b>CONDUCTOR</b>	1350 Aluminum (unfilled) Class B Strand Compressed	<b>PERFORMANCE</b>	AEIC CS8 ASTM B-230 ASTM B-231 ICEA S-97-682 ICEA S-93-639 UL 1072
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer		
<b>INSULATION</b>	Ethylene propylene rubber (EPR)		
<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)
E8NLE-A63F01CA00	500 kcmil	0.775	1.66	CTS with 25% overlap	0.105	1.96	1,930
E8NLE-A83F01CA00	600 kcmil	0.866	1.74	CTS with 25% overlap	0.105	2.03	2,105

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