EPR/CTS/PVC, Type MV-105, 35kV 133%, 420-MILS

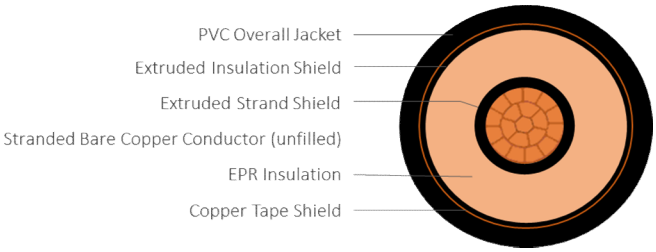
Single Conductor Un-Filled Copper -Silicone Free

DESCRIPTION

This specification covers cables that consist of Copper 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	
CONDUCTOR	Annealed bare copper (unfilled) Class B Strand Compact
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

STANDARDS (Compliance)	
PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-496 ICEA S-97-682 ICEA S-93-639 UL 1072

SPECIFICATIONS

Part Number	Cond. Size (AWG/kcmil)	Cond. Diameter (in)	Ins. Diameter (in)	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs/kft)	Ampacity Conduit in Air 105°C	Ampacity Underground Conduit 105°C	Ampacity Tray 105°C
E8NLE-2A1T01CA00	2/0	0.376	1.25	0.075	1.49	1,349	255	245	250
E8NLE-B51T01CA00	1000	1.06	1.95	0.105	2.25	4,793	755	690	870

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