

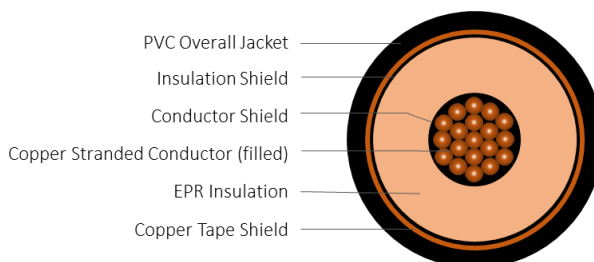
## EPR/CTS/PVC Power, Type MV-105, 35kV 133%, 420-MILS Single Conductor Filled Copper-Silicone Free

### DESCRIPTION

This specification covers cables that consist of Copper filled conductor, covered with ethylene propylene rubber (EPR), copper taped shield (CTS) and a polyvinyl chloride (PVC) jacket

### APPLICATIONS

- In conduit, duct, free air, and raceways primary installations include cable trays, and outdoor locations
- In direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4 (A)(5)
- In wet or dry locations
- Approved for Class I, Div.2 industrial hazardous locations per NEC
- 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>	Annealed bare copper (filled) Class B Strand Compressed
<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 reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B8 ICEA S-97-682 ICEA S-93-639 ICEA T-34-664 UL 1072 For CT-USE (1/0AWG or larger)
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### PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. O.D. (in)	Approx. Net Weight (lbs / Mft)
E8NLE-3A5B01CA00	3/0	0.456	1.32	CTS with 25% overlap	0.075	1.56	1,535
E8NLE-A35B01CA00	350	0.661	1.53	CTS with 25% overlap	0.105	1.84	2,410
E8NLE-A65B01CA00	500	0.789	1.66	CTS with 25% overlap	0.105	1.96	2,995

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