

EPR/CTS/PVC Power, Type MV-105, 35kV (133%) 420-mils

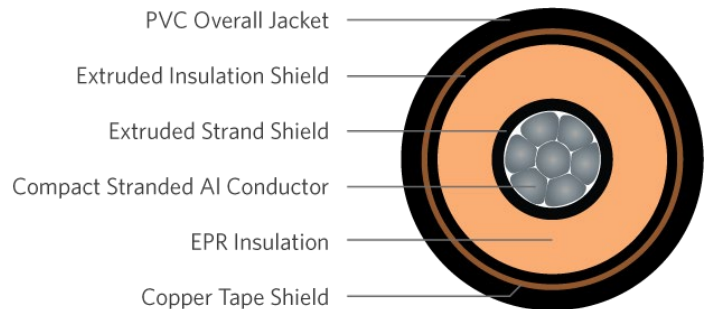
Part Number: E8NLE-A64T01CA00

DESCRIPTION

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consists of compact 8000 Al stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, and black PVC jacket. These cables are used in industrial power circuits.

APPLICATION

- In conduit, duct, free air, and raceways, primary installations include cable trays, and outdoor 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



SPECIFICATIONS

Conductor	Aluminum 8000 compact Class B strand	Packaging	Non-returnable reels
Insulation	EPR	Performance	ASTM B8 UL 1072 ASTM B496
Conductor Strand Shield	Extruded thermoset semi-conducting polymer over the conductor; Copper tape shield with 25% overlap	Compliance	ICEA S-93-639 ICEA S-97-682 AEIC CS8 IEEE 1202 NEC
Jacket	PVC	Other Compliances	EPA 40 CFR, Part 261 OSHA

1C 500kcmil 37-wires Al 8000 35kV (133%) 420-mils EPR Cu Tape Shield PVC, MV-105

PART NUMBER AND PHYSICAL CHARACTERISTICS						
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Insulation Diameter (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Net Weight (lbs./MFT)
E8NLE-A64T01CA00	500	0.736	1.620	0.110	1.95	1,900

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