

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

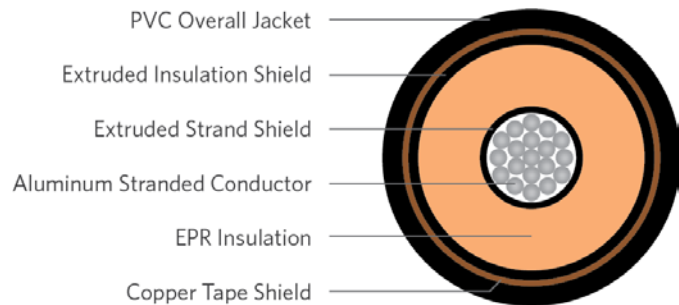
Part Number: E8NLE-A64G01CA00

**DESCRIPTION**

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consists of compressed 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**

<b>Conductor</b>	Aluminum 8000 compressed Class B strand	<b>Packaging</b>	Non-returnable reels
<b>Insulation</b>	EPR		ASTM B8 UL 1072
<b>Conductor Strand Shield</b>	Extruded thermoset semi-conducting polymer over the conductor; Copper tape shield with 25% overlap	<b>Performance</b>	ICEA S-93-639
<b>Jacket</b>	PVC		ICEA S-97-682 AEIC CS8 IEEE 1202 NEC
		<b>Other Compliances</b>	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-A64G01CA00	500	0.773	1.66	.110	1.95	1,897

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