

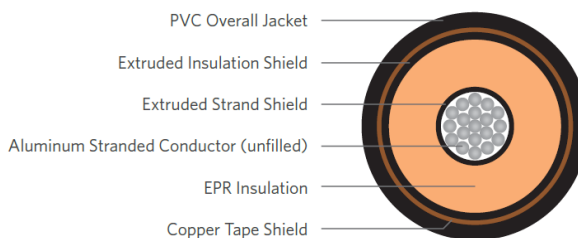
EPR/CTS/PVC Power, Type MV-105, 35kV 133%; 420-mils Single Conductor E8NLE-B54G01CA00, 8000 Series Aluminum Unfilled

DESCRIPTION

The Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 Cable consist of full annealed 8000 Series Aluminum Class B stranded (Compressed) conductors, covered with ethylene rubber (EPR), copper tape shield, and black PVC jacket. These cables are used in industrial power circuits.

APPLICATIONS

- Primary installations include cable trays, and outdoor locations, sunlight resistant. In conduit, duct, free air, and raceways.
- Direct buried if installed in a system with a ground conductors that is in close proximity and conforms to NEC 2250.4 (A) (5)
- In wet or dry locations. Rated 105°C wet or dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- For CT use for 1/0 AWG and larger, per UL 1072
- 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



SERIES E8 —8000 Series Aluminum –Compressed

CONSTRUCTION

CONDUCTOR	1000MCM; Aluminum, Class B Strand (unfilled); 8000 Series Aluminum
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	EPR; 133%; 420-mils
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil annealed copper tape helically applied with a 25% overlap
JACKET	PVC
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B-801 ICEA S-93-639 ICEA S-97-682 UL 1072 UL 1685 NEC
OTHER	EPA 40 CFR, PART 261 OSHA

CHARACTERISTICS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	O.D. (in)	Net Weight (lbs / Mft)
E8NLE-B54G01CA00	1000MCM	1.095	1.99	.110	2.28	2,700

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