TR-XLPE/CTS/PVC Power, Type MV-105, 35kV 100%, 345mils

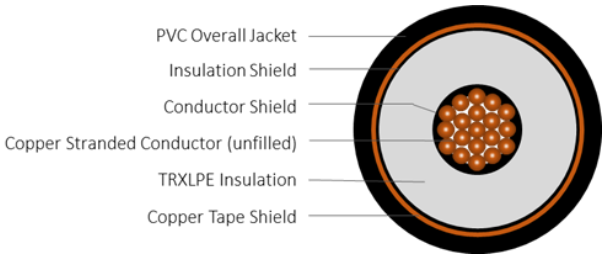
Single Copper Conductor - Silicone Free

DESCRIPTION

The medium voltage, TRXLPE/Cu Tape Shield/PVC, Type MV-105 Cable consist of full annealed bare copper Class B stranded conductors, covered with tree-retardant cross-linked polyethylene (TR-XLPE), copper tape shield (CTS), and a polyvinyl chloride (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 250.4 (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 1/0AWG 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 E8MUE

CONSTRUCTION

CONDUCTOR	Bare annealed Copper (unfilled) Class B Compressed Strand
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Tree-retardant cross-linked Polyethylene (TR-XLPE)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	Annealed copper tape helically applied with an approximate 25% overlap
JACKET	Black Polyvinyl Chloride (PVC)
JACKET MARKINGS	00000 FT LS CABLE XXXKCMIL (or AWG) CU 1/C 35KV 100% INSUL LEVEL 345 MILS TRXLPE/PVC JKT MV-105 FOR CT USE (UL) SUN RES MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B8 ICEA S-93-639 ICEA S-97-682 UL 1072 UL 1685 NEC
OTHER	EPA 40 CFR, Part 261 OSHA

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SPECIFICATIONS						
Part Number	**Conductor Size (AWG or kcmil)**	**Conductor Diameter (in)**	**Insulation Diameter (in)**	**Jacket Thickness (in)**	**Approx. O.D (in)**	**Approx. Weight (lbs/kft)**
E8MUE-4A1B01CA00	4/0	0.512	1.23	0.075	1.47	1,425
E8MUE-A61B01CA00	500	0.789	1.51	0.105	1.81	2,625

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