

## Caledonian

Industrial Cables (UL Standard) www.caledonian-cables.com marketing@caledonian-cables.com

TRXLPE/Copper Wire Shield/PVC, Medium-Voltage Power 5KV, UL Type MV-105, 100% Ins. Level, 90 Mils 1C1/0AWG



PVC jacket Annealed solid bare copper wires metallic shield TRXLPE insulation Thermoset semi-conducting polymeric EIS Thermoset semi-conducting ESS Annealed bare copper conductor

#### APPLICATIONS

These cables are suitable for use in wet or dry locations when installed in accordance with NEC, use in aerial, conduit, open tray and underground duct installations and use 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).

#### STANDARDS

National Electric Code (NEC) ICEA S-93-639/NEMA WC74 UL 1072 ICEA S-97-682 AEIC CS8 Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method

#### VOLTAGE RATING

5KV

#### CABLE CONSTRUCTION

Conductor: Annealed bare copper Class B compressed strand in accordance with ASTM B3 and B8. Extruded Strand Shield (ESS): Extruded thermoset semi-conducting stress control layer over conductor. Insulation: Tree Retardant Cross-Linked Polyethylene (TRXLPE).

Extruded Insulation Shield (EIS): Thermoset semi-conducting polymeric layer free stripping from insulation. Metallic Shield: A concentric serve of 24 AWG annealed solid bare copper wires over which shall be applied a lapped non-metallic tape.

Jacket: Flame-retardant Polyvinyl Chloride (PVC), UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option.

#### DIMENSION AND PARAMETERS

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|     | in   | mm  | in    | mm    | in   | mm | in   | mm   | in   | mm    | kg/km | LBS/<br>MFT |     |     |
|-----|------|-----|-------|-------|------|----|------|------|------|-------|-------|-------------|-----|-----|
| 1/0 | 0.37 | 9.4 | 0.555 | 14.01 | 0.63 | 16 | 0.06 | 1.52 | 0.85 | 21.59 | 863   | 580         | 200 | 210 |