



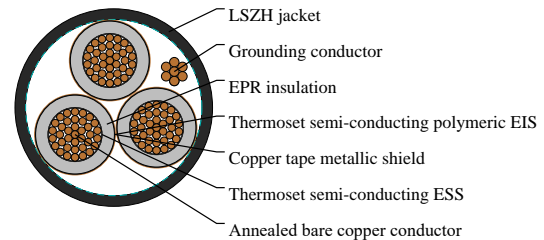
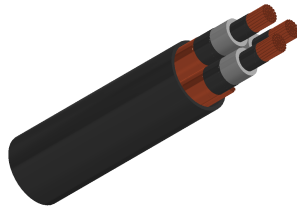
Caledonian

Industrial Cables (UL Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

EPR/Copper Tape Shield with Overall LSZH Jacket Medium-Voltage Power, Shielded, 5KV and 8KV, UL Type MV-105 133% / 100% Ins. Levels, 115 Mils, Three Conductor 3C250AWG



APPLICATIONS

These cables are suited for use in a broad range of commercial, industrial and utility applications, where reliability is the major concern, space is limited and ease of installation is critical. Besides, they are installed in wet or dry locations accordance with NEC. Also in aerial, direct burial, conduit, open tray and underground duct installations.

STANDARDS

National Electric Code (NEC)

ICEA S-93-639/NEMA WC74

UL 1072

ICEA S-97-682

AEIC CS8

ICEA T-33-655

UL 1685 (70,000 BTU/hr)

Optional Flame Tests:

IEEE 1202 (70,000 BTU/hr)/CSA FT4

ICEA T-29-520 (210,000 BTU/hr)

VOLTAGE RATING

5KV_8KV

CABLE CONSTRUCTION

Conductor: Annealed bare copper Class B strand.

Extruded Strand Shield (ESS): Extruded thermoset semi-conducting stress-control layer over conductor.

Insulation: Ethylene Propylene Rubber (EPR) insulation, colored to contrast with the black conducting shield layers.

Extruded Insulation Shield (EIS): Thermoset semi-conducting polymeric layer free stripping from insulation.

Metallic Shield: 5mil annealed copper tape with an overlap of 25%.

Grounding Conductor: 1 bare grounding conductor may be in contact with metallic shielding tape.

Overall Jacket: Flame-retardant, moisture- and sunlight-resistant, Low-Smoke, Zero-Halogen Polyolefin (LSZH).

DIMENSION AND PARAMETERS



Caledonian

Industrial Cables (UL Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

| AWG Size | Conduct Diameter in | Conduct Diameter mm | Nomina Diameter in over Insulation (min.) | Nomina Diameter mm over Insulation (min.) | Nomina Diameter in over Insulation (max.) | Nomina Diameter mm over Insulation (max.) | Ground Wire AWG | Nomina Jacket Thickness in | Nomina Jacket Thickness mm | Approx Overall Diameter in | Approx Overall Diameter mm | Approx Weight kg/ km | Approx Weight LBS/ MFT | Ampacit In Air | Ampacit GND. |
|-------------|---------------------------|---------------------------|--|--|--|--|-----------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------|---------------------------------|-------------------|-----------------|
| 250 | 0.53 | 13.64 | 0.77 | 19.56 | 0.85 | 21.59 | 2 | 0.11 | 2.79 | 2.15 | 54.61 | 5904 | 3968 | 350 | 335 |