



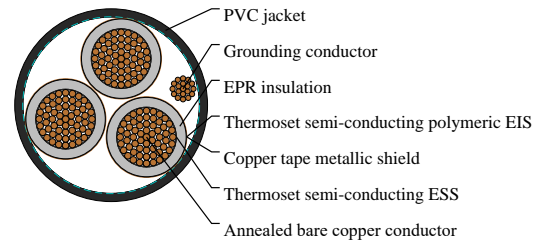
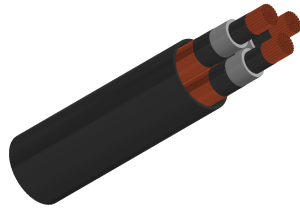
# Caledonian

Industrial Cables (UL Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

**EPR/Copper Tape Shield with Overall PVC Jacket Medium-Voltage Power, Shielded, 5KV and 8KV, UL Type MV-105 133% / 100% Ins. Levels, 115 Mils, Three Conductor 3C500AWG**



## 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

Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method

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 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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AWG Size	Conduct Diameter in	Conduct Diameter mm	Nomina Diameter over Insulation (min.) in	Nomina Diameter over Insulation (min.) mm	Nomina Diameter over Insulation (max.) in	Nomina Diameter over Insulation (max.) mm	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.
500	0.74	18.8	0.99	25.15	1.065	27.05	1	0.11	2.79	2.64	67.06	10065	6793	525	485