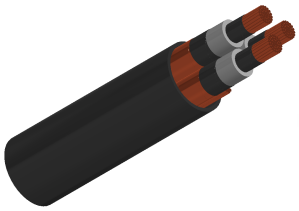
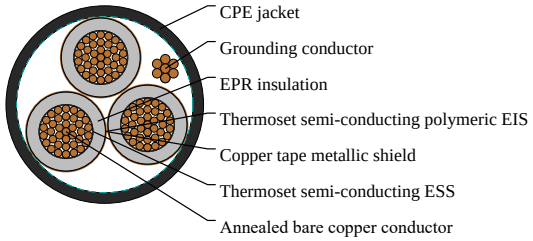
Caledonian

Industrial Cables (UL Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

EPR/Copper Tape Shield with Overall CPE 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
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 Chlorinated Polyethylene(CPE).

DIMENSION AND PARAMETERS

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AWG Size	Conductor Diameter	Conductor Diameter	Nominal Diameter over Insulation (min.)	Nominal Diameter over Insulation (min.)	Nominal Diameter over Insulation (max.)	Nominal Diameter over Insulation (max.)	Ground Wire	Nominal Jacket Thickness	Nominal Jacket Thickness	Approx Overall Diameter	Approx Overall Diameter	Approx Weight	Approx Weight	Ampacity In Air	Ampacity GND.
	in	mm	in	mm	in	mm	AWG	in	mm	in	mm	kg/ km	LBS/ MFT		
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