Caledonian

Mining Cables (ICEA & CSA Standard)

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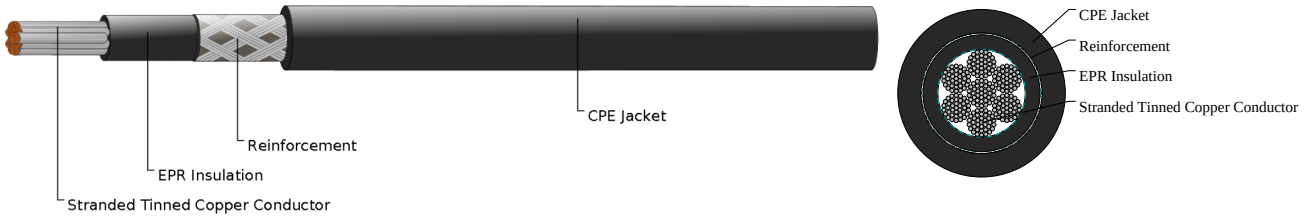
Portable Power Cables

Type W Single Conductor Portable Power Cable 2kV 1C3AWG



APPLICATIONS

These cables are designed for use on electric mining locomotives and other mobile equipment of the gathering-reel type, where the cable must withstand constant flexing and reeling.

STANDARDS

ICEA S-75-381/NEMA WC 58
ASTM B 172/ASTM B 33
CAN/CSA C22.2 No. 96

CABLE CONSTRUCTION

Conductors:Stranded annealed tinned copper conductor.
Insulation:Ethylene Propylene Rubber (EPR).
Reinforcement:A layer of polyester braid, applied between the insulation and jacket for mechanical strength.
Jacket:Heavy-duty/extra-heavy-duty Chlorinated Polyethylene (CPE), black. (Cables having a nominal outside diameter of more than 2.0 inches require extra-heavy-duty jackets.)

Options:
Other jacket materials such as CSP/PCP/NBR/PVC are available upon request.
Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

COLOUR CODE

Conductor Identification According to ICEA S-75-381:
1 Core:Black

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6×OD
Maximum Conductor Operating Temperature: +90℃

DIMENSION AND PARAMETERS

No. of Cores	AWG Size	No. of Strands	Nominal Insulation Thickness	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal Jacket Thickness	Approx. Overall Diameter	Approx. Overall Diameter	Approx. Weight	Ampacity
			in	mm	in	mm	in	mm	kg/km	amps

1	3	329	0.06	1.5	0.095	2.4	0.63	16	521	167