

Caledonian

Mining Cables (ICEA & CSA Standard)

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Portable Power Cables

Type W Single Conductor Portable Power Cable 2kV 1C500AWG



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°C

DIMENSION AND PARAMETERS

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



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