



Type W Single Conductor Portable Power Cable 2kV

» 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

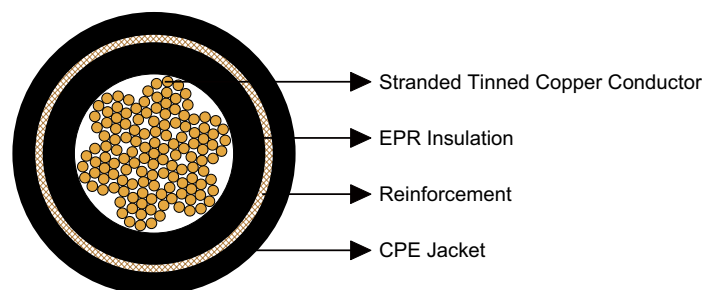
ICEA S-75-381/NEMA WC 58

ASTM B 172

ASTM B 33

CAN/CSA C22.2 No. 96

» 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.)



Caledonian Mining Cables

Portable Power Cables

» 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.

» Mechanical and Thermal Properties

Minimum Bending Radius: 6×OD

Maximum Conductor Operating Temperature: +90°C

» Dimensions and Weight

Construction	No. of Strands	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Weight		Ampacity
		inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	
No. of cores×AWG/kcmil	-									A
1×8	133	0.060	1.5	0.060	1.5	0.44	11.2	150	223	83
1×6	168	0.060	1.5	0.080	2.0	0.51	13.0	205	305	109
1×4	259	0.060	1.5	0.080	2.0	0.57	14.5	280	417	145
1×3	329	0.060	1.5	0.095	2.4	0.63	16.0	350	521	167
1×2	259	0.060	1.5	0.095	2.4	0.66	16.8	370	550	192
1×1	329	0.080	2.0	0.110	2.8	0.74	18.8	500	744	223
1×1/0	259	0.080	2.0	0.110	2.8	0.77	19.6	550	818	258
1×2/0	329	0.080	2.0	0.110	2.8	0.82	20.1	660	982	298
1×3/0	427	0.080	2.0	0.125	3.2	0.87	22.1	830	1235	345
1×4/0	532	0.080	2.0	0.125	3.2	0.93	23.6	950	1413	400
1×250	608	0.095	2.4	0.140	3.6	1.03	26.2	1240	1845	445
1×300	741	0.095	2.4	0.140	3.6	1.09	27.7	1400	2083	500
1×350	855	0.095	2.4	0.155	3.9	1.15	29.2	1480	2202	552
1×500	1221	0.095	2.4	0.155	3.9	1.31	33.3	2140	3184	695

Ampacity-Based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381.