



Type W Four-Conductor Round Portable Power Cable 2kV

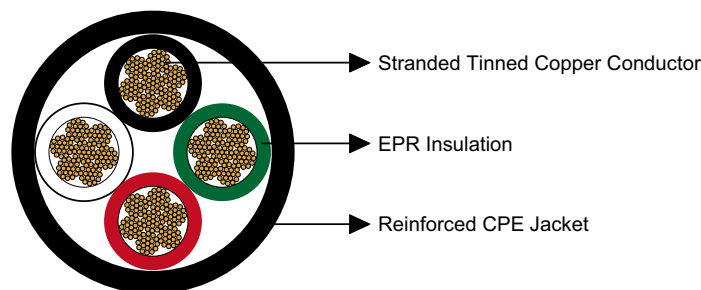
» Applications

These cables are designed for use with mobile mining equipment such as continuous miners, drills, cutters, loading machines and AC shuttle cars. Type W cables are for applications where bare grounding conductors are not required or desired.

» 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).

Jacket:

Reinforced 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
4×8	133	0.06	1.5	0.125	3.2	0.99	25.2	670	997	54
4×6	133	0.06	1.5	0.140	3.6	1.10	27.9	838	1247	72
4×4	259	0.06	1.5	0.155	3.9	1.27	32.3	1174	1747	93
4×3	259	0.06	1.5	0.155	3.9	1.34	34.0	1377	2049	106
4×2	259	0.06	1.5	0.170	4.3	1.48	37.6	1701	2531	122
4×1	259	0.08	2.0	0.190	4.8	1.68	42.7	2192	3262	143
4×1/0	266	0.08	2.0	0.190	4.8	1.79	45.5	2549	3793	165
4×2/0	342	0.08	2.0	0.190	4.8	1.93	49.0	3078	4581	192
4×3/0	418	0.08	2.0	0.205	5.2	2.07	52.6	3685	5485	221
4×4/0	532	0.08	2.0	0.220	5.6	2.26	57.4	4540	6758	255
4×250	627	0.095	2.4	0.235	6.0	2.66	67.6	5746	8553	280
4×350	888	0.095	2.4	0.250	6.4	2.98	75.7	7574	11275	335
4×500	1221	0.095	2.4	0.280	7.1	3.40	86.4	10376	15441	395

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