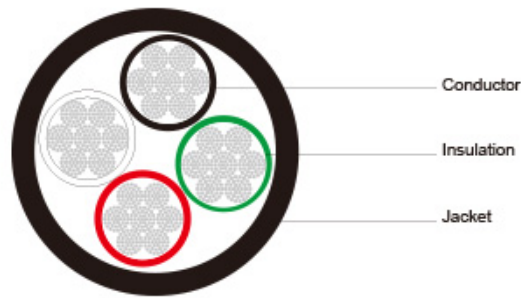


Type W Four-Conductor Round Portable Power Cable 2kV



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.)

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 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	-	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	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

4x3/0	418	0.08	2.0	0.205	5.2	2.07	52.6	3685	5485	221
4x4/0	532	0.08	2.0	0.220	5.6	2.26	57.4	4540	6758	255
4x250	627	0.095	2.4	0.235	6.0	2.66	67.6	5746	8553	280
4x350	888	0.095	2.4	0.250	6.4	2.98	75.7	7574	11275	335
4x500	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.