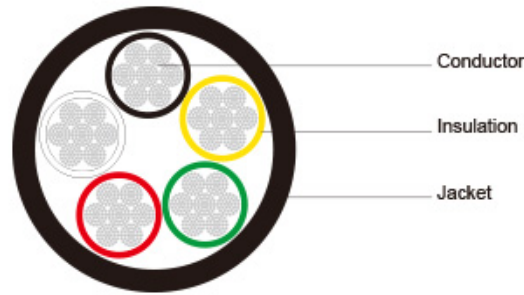


Type W Five-Conductor Round Portable Power Cable 2kV



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).

Sheath

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
5×8	133	0.06	1.5	0.140	3.6	1.07	27.2	776	1154	50
5×6	133	0.06	1.5	0.155	3.9	1.24	31.5	1024	1524	68
5×4	259	0.06	1.5	0.155	3.9	1.36	35.2	1432	2131	88
5×2	259	0.06	1.5	0.170	4.3	1.56	39.8	2051	3052	116
5×1	259	0.06	1.5	0.190	4.8	1.85	47.1	2665	3967	136
5×1/0	266	0.08	2.0	0.205	5.2	1.98	50.4	3406	5069	150
5×2/0	342	0.08	2.0	0.205	5.2	2.13	54.1	3596	5351	172
5×3/0	418	0.08	2.0	0.220	5.6	2.27	57.6	4728	7035	200
5×4/0	532	0.08	2.0	0.220	5.6	2.46	62.6	5512	8203	230

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