Type W Four-Conductor Flat Portable Power Cable 2kV

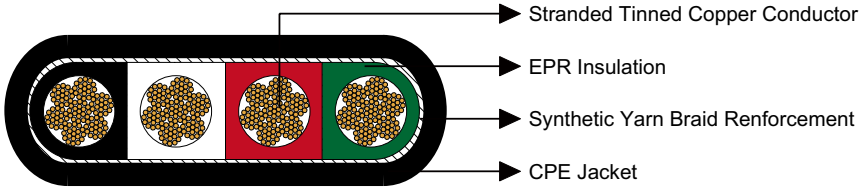
» Applications

These flat parallel cables are designed for use on AC mining equipment, such as A.C. shuttle cars, drills, cutting and loading machines.

» 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:

Synthetic yarn.

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.

» Mechanical and Thermal Properties

Minimum Bending Radius: 6×OD

Maximum Conductor Operating Temperature: +90℃

» Dimensions and Weight

Construction	No. of Strands	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter Height×Width		Nominal Weight		Ampacity
No. of cores×AWG/kcmil	-	inch	mm	inch	mm	inch	mm	lbs/kft	kg/km	A
4×6	133	0.06	1.5	0.095	2.4	0.67×1.69	17.0×42.9	895	1332	72
4×4	259	0.06	1.5	0.110	2.8	0.75×1.89	19.0×48.0	1185	1764	93
4×2	259	0.06	1.5	0.110	2.8	0.84×2.23	20.6×56.6	1620	2411	122
4×1	259	0.08	2.0	0.125	3.2	0.97×2.60	24.6×66.0	2100	3125	143
4×1/0	259	0.08	2.0	0.140	3.6	1.01×2.73	25.7×69.3	2500	3721	165
4×2/0	329	0.08	2.0	0.140	3.6	1.10×2.96	27.9×75.2	2900	4316	192
4×3/0	413	0.08	2.0	0.155	3.9	1.18×3.25	30.0×82.6	3500	5209	221
4×4/0	532	0.08	2.0	0.155	3.9	1.29×3.46	32.8×87.9	4225	6288	255

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