

W FLAT 4/c 2000V

Flat Portable Power Cable 90°C MSHA Mining Grade



SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B 172, ASTM B 33

CONSTRUCTION:

- Conductors:** Annealed flexible stranded tin coated copper in accordance with ASTM B 172 and ICEA S-75-381
- Separator:** A suitable tape separator between the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR) type EP, 90°C
- Circuit identification:** Color coding of power conductors shall be black, white, red, green in accordance with Par. 3.18 of ICEA S-75-381
- Reinforcement:** Nylon open braid applied overall
- Jacket:** CPE thermosetting compound, extra heavy duty in accordance with par. 3.21 of ICEA S-75-381
- Color of jacket:** Black

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility - Water resistant and flame retardant - Rated and flexible at -40°C to +90°C - Excellent impact and abrasion resistant - Ozone sunlight oil, grease, weather, chemical resistant - Indent printed for easy identification 	<ul style="list-style-type: none"> - For use on A.C. off-track mining equipment where bare grounding conductors are not required - Especially designed for AC shuttle cars of service

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

MSHA: P-7k-268108 (CPE)

SPECIAL FACTORY OPTIONS:

Jacket: Optional Neoprene® jacket available
Other colors available

Part Number	Power Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG	No. of Stranding	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W6-4MNG-FLAT	6 AWG	133 7x19	0.06	1.52	0.68x1.71	17.27x43.43	1429	960	72
W4-4MNG-FLAT	4 AWG	259 7x37	0.06	1.52	0.76x1.91	19.30x48.51	1936	1301	93
W2-4MNG-FLAT	2 AWG	259 7x37	0.06	1.52	0.82x2.25	20.83x57.15	2671	1795	122
W1-4MNG-FLAT	1 AWG	259 7x37	0.08	2.03	0.97x2.48	24.64x62.99	3423	2300	143

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY P-7K-268108-MSHA

