

W FLAT 2/c 2000V

Flat Portable Power Cable 90°C UL MSHA Mining Grade



SPECIFICATIONS & STANDARDS

UICEA S-75-381/NEMA WC-58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33

CONSTRUCTION:

- Conductors:** Annealed flexible stranded tin coated copper in accordance with ASTM B 172 and ICEA S-75-381; Conductors D-shaped cross-section
- Separator:** A suitable tape separator between the conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR) type EP
- Circuit identification:** Color coding of power conductors shall be black, white 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 D.C. off track mining equipment; Especially designed for D.C. shuttle cars, drills, cutting and loading machines

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

APPROVALS:

- UL:** E207132 – “Oil Resistant”; “75°C – Wet” or “90°C – Wet”; “Sunlight resistance” or “Sun Res”; “Oil Resistant inners” (CPE)
- 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.
			inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-2MNG-FLAT	8 AWG	133 7x19	0.06	1.52	0.51x0.84	12.95x21.34	380	566	72
W6-2MNG-FLAT	6 AWG	133 7x19	0.06	1.52	0.56x0.93	14.22x23.62	480	714	95
W4-2MNG-FLAT	4 AWG	259 7x37	0.06	1.52	0.61x1.05	15.49x26.67	600	893	127
W2-2MNG-FLAT	2 AWG	259 7x37	0.06	1.52	0.73x1.24	18.54x31.50	885	1317	167
W1-2MNG-FLAT	1 AWG	259 7x37	0.08	2.03	0.81x1.40	20.57x35.56	1100	1637	191
W1/0-2MNG-FLAT	1/0 AWG	259 7x37	0.08	2.03	0.93x1.51	23.62x38.35	1335	2077	217
W2/0-2MNG-FLAT	2/0 AWG	329 7x47	0.08	2.03	0.99x1.63	25.14x41.40	1650	2455	250
W4/0-2MNG-FLAT	4/0 AWG	532 19x28	0.08	2.03	1.10x1.89	27.94x48.01	2350	3497	328

(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 (UL) E207132 P-7K-268108-MSHA

