

## Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



### SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44

### CONSTRUCTION:

- Conductors:** Extra flexible strand bare copper (Standard Flex tin copper), B-172 and ICEA S-75-381/NEMA WC70
- Separator:** Tape separator between conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), ICEA S-95-658 sec.3.21, table 3-6
- Reinforcement:** Nylon open braid applied over insulation
- Jacket:** Black heavy duty CPE thermoset compound, ICEA S-75-381/NEMA WC70 sec 3.21, table 3-4

FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Super-excellent flexibility</li> <li>- Water resistant and flame retardant</li> <li>- Rated and flexible at -40°C to +90°C</li> <li>- Excellent impact and abrasion resistant</li> <li>- Ozone, sunlight, oil, grease, weather, chemical resistant</li> </ul>	<ul style="list-style-type: none"> <li>- Portable power systems</li> <li>- Other industrial applications</li> </ul>

### APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 – FT1; FT5; -40°C +90°C
- MSHA:** P-7K-268101

### EXTRA FLEX

Part Number	Power Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 30°C Ambient Temp.
	AWG or MCM	No. of Wires	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-1X	8 AWG	162/30	0.060	1.52	0.441	11.2	145	216	80
W6-1X	6 AWG	264/30	0.060	1.52	0.511	12.9	200	298	105
W4-1X	4 AWG	418/30	0.060	1.52	0.564	14.3	255	379	140
W2-1X	2 AWG	660/30	0.060	1.52	0.651	16.5	375	558	190
W1-1X	1 AWG	836/30	0.080	2.03	0.729	18.5	475	707	220
W1/0-1X	1/0 AWG	1056/30	0.080	2.03	0.751	19.0	530	789	260
W2/0-1X	2/0 AWG	1320/30	0.080	2.03	0.800	20.3	650	967	300
W3/0-1X	3/0 AWG	1672/30	0.080	2.03	0.856	21.7	750	1116	350
W4/0-1X	4/0 AWG	2090/30	0.080	2.03	0.981	24.9	970	1444	405
W250-1X	250 MCM	2496/30	0.095	2.41	1.001	25.4	1130	1682	455
W350-1X	350 MCM	3416/30	0.095	2.41	1.133	28.8	1420	2116	570
W500-1X	500 MCM	4880/30	0.095	2.41	1.255	31.9	1913	2847	700

(1) Ampacity - Free air measured. Based on continuous duty at 90°C conductor temperature per 2011 NEC Table 400.5(A)(2)

### STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE W 2000V PORTABLE POWER CABLE RHH/RHW-2 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40C) P-7K-268101-MSHA

### SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- Conductor:** Also available in Standard Flex tin copper stranding