

# TYPE W 4/c 2kV

## Four conductor Round portable power cable Industrial grade

### SPECIFICATIONS & STANDARDS

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

### CONSTRUCTION:

- Conductors:** Annealed flexible stranded tin coated copper or optional bare copper in accordance with ASTM B-172 and ICEA S-75-381/NEMA WC58
- Insulation:** Ethylene-propylene rubber (EPR) type EP
- Circuit identification:** Color coding of power conductors shall be black, white, red, green in accordance with Par. 3.18 of ICEA S-75-381/NEMA WC58
- Assembly:** Four power conductors and four cured rubber fillers cabled together  
Single faced rubber filled binder tape applied overall
- Separator:** A suitable tape separator between the conductor and insulation
- Jacket:** A CPE thermosetting compound, heavy or extra heavy duty in accordance with par. 3.21 of ICEA S-75-381/NEMA WC58;  
Neoprene® optional jacket available
- Color of jacket:** Black; Other colors available



FEATURES	APPLICATION
<ul style="list-style-type: none"><li>- 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><li>- Indent printed for easy identification</li></ul>	<ul style="list-style-type: none"><li>- Portable power systems</li><li>- Magnet cranes</li><li>- Other industrial applications</li><li>- Mining application where bare grounding conductors are not required</li></ul>

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

### APPROVALS:

- MSHA:** P-7K-268101 (CPE); P-7K-268077 (Neoprene)
- UL:** E207132 – “Oil Resistant”; “75°C – Wet” or “90°C –Wet”;  
“Sunlight resistance” or “Sun Res”; “Oil Resistant inners” (CPE)
- CUL:** E207132 - “FT1”, “FT5”, “(-40°C)” or “Minus 40°C”; “90°C” (CPE)
- CSA:** 1523058 (LR 103932) - “FT1”, “FT5”, “90°C”, “(-40°C)” (Neoprene)

Neoprene is a registered trademark of DuPont



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## TINNED COPPER CONDUCTORS (STANDARD)

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
W8-4CuSn	8 AWG	133 7x19	0.06	1.52	0.97	24.6	656	976	54
W6-4CuSn	6 AWG	133 7x19	0.06	1.52	1.11	28.3	908	1352	72
W4-4CuSn	4 AWG	259 7x37	0.06	1.52	1.26	32.1	1262	1878	93
W2-4CuSn	2 AWG	259 7x37	0.06	1.52	1.43	36.3	1759	2618	122
W1-4CuSn	1 AWG	259 7x37	0.08	2.03	1.71	43.4	2322	3456	143
W1/0-4CuSn	1/0 AWG	266 19x14	0.08	2.03	1.78	45.2	2721	4050	165
W2/0-4CuSn	2/0 AWG	342 19x18	0.08	2.03	1.89	48.0	3293	4901	192
W3/0-4CuSn	3/0 AWG	418 19x22	0.08	2.03	2.02	51.4	3849	5729	221
W4/0-4CuSn	4/0 AWG	532 19x28	0.08	2.03	2.22	56.3	4765	7092	255
W250-4CuSn	250 MCM	627 19x33	0.095	2.41	2.61	66.2	5579	8303	280
W350-4CuSn	350 MCM	888 37x24	0.095	2.41	2.92	74.2	7329	10908	335
W500-4CuSn	500 MCM	1221 37x33	0.095	2.41	3.34	84.8	9896	14729	395

## BARE COPPER CONDUCTORS

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
W8-4Cu	8 AWG	166x0.01	0.06	1.52	0.99	25.1	668	994	54
W6-4Cu	6 AWG	259x0.01	0.06	1.52	1.11	28.3	908	1351	72
W4-4Cu	4 AWG	412x0.01	0.06	1.52	1.25	31.7	1220	1815	93
W2-4Cu	2 AWG	259x0.0159	0.06	1.52	1.43	36.3	1762	2622	122
W1-4Cu	1 AWG	331x0.0159	0.08	2.03	1.66	42.1	2127	3165	143
W1/0-4Cu	1/0 AWG	414x0.0159	0.08	2.03	1.77	45.0	2720	4047	165
W2/0-4Cu	2/0 AWG	522x0.0159	0.08	2.03	1.91	48.5	3291	4897	192
W3/0-4Cu	3/0 AWG	658x0.0159	0.08	2.03	2.04	51.8	3889	5787	221
W4/0-4Cu	4/0 AWG	829x0.0159	0.08	2.03	2.24	56.8	4763	7087	255
W250-4Cu	250 MCM	1024x0.0159	0.095	2.41	2.61	66.2	5562	8276	280
W350-4Cu	350 MCM	1361x0.0159	0.095	2.41	2.95	74.8	7329	10906	335
W500-4Cu	500 MCM	1921x0.0159	0.095	2.41	3.34	84.8	9896	14726	395

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

## STANDARD PRINT LEGEND:

TELE-FONIKA (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90C SUN OIL RES 90C WET  
OR DRY (UL) E207132 C(UL) FT-5 (-40C) P-7K-268101-MSHA

