

TYPE W 5/c 2kV

Five 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, orange in accordance with Par. 3.18 of ICEA S-75-381/NEMA WC58
- Assembly:** Five power conductors and six 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">- 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">- Portable power systems- Magnet cranes- Other industrial applications- Mining application where bare grounding conductors are not required

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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12/08 v3.1

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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	
W8-5CuSn	8 AWG	133 7x19	0.06	1.52	1.07	27.2	776	1154	50
W6-5CuSn	6 AWG	133 7x19	0.06	1.52	1.24	31.5	1024	1524	68
W4-5CuSn	4 AWG	259 7x37	0.06	1.52	1.36	35.2	1432	2131	88
W2-5CuSn	2 AWG	259 7x37	0.06	1.52	1.56	39.8	2051	3052	116
W1-5CuSn	1 AWG	259 7x37	0.06	1.52	1.85	47.1	2665	3967	136
W1/0-5CuSn	1/0 AWG	266 19x14	0.08	2.03	1.98	50.4	3406	5069	150
W2/0-5CuSn	2/0 AWG	342 19x18	0.08	2.03	2.13	54.1	3596	5351	172
W3/0-5CuSn	3/0 AWG	418 19x22	0.08	2.03	2.27	57.6	4728	7035	200
W4/0-5CuSn	4/0 AWG	532 19x28	0.08	2.03	2.46	62.6	5512	8203	230

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	
W8-5Cu	8 AWG	166x0.01	0.06	1.52	1.07	27.2	776	1154	50
W6-5Cu	6 AWG	259x0.01	0.06	1.52	1.24	31.5	1024	1524	68
W4-5Cu	4 AWG	412x0.01	0.06	1.52	1.36	35.2	1432	2131	88
W2-5Cu	2 AWG	259x0.0159	0.06	1.52	1.56	39.8	2051	3052	116
W1-5Cu	1 AWG	331x0.0159	0.06	1.52	1.85	47.1	2665	3967	136
W1/0-5Cu	1/0 AWG	414x0.0159	0.08	2.03	1.98	50.4	3406	5069	150
W2/0-5Cu	2/0 AWG	522x0.0159	0.08	2.03	2.13	54.1	3596	5351	172
W3/0-5Cu	3/0 AWG	658x0.0159	0.08	2.03	2.27	57.6	4728	7035	200
W4/0-5Cu	4/0 AWG	829x0.0159	0.08	2.03	2.46	62.6	5512	8203	230

(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 (-40°C) P-7K-268101-MSHA

