

TYPE W 2/c 2kV

Two 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 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 in accordance with Par. 3.18 of ICEA S-75-381/NEMA WC58
Assembly:	Two power conductors and two 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- 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	A
W8-2CuSn	8 AWG	133 7x19	0.06	1.52	0.83	21.1	391	581	72
W6-2CuSn	6 AWG	133 7x19	0.06	1.52	0.94	23.9	571	849	95
W4-2CuSn	4 AWG	259 7x37	0.06	1.52	1.07	27.3	793	1180	127
W2-2CuSn	2 AWG	259 7x37	0.06	1.52	1.26	32.1	1142	1699	167
W1-2CuSn	1 AWG	259 7x37	0.08	2.03	1.41	35.9	1357	2019	191
W1/0-2CuSn	1/0 AWG	266 19x14	0.08	2.03	1.51	38.3	1693	2520	217
W2/0-2CuSn	2/0 AWG	342 19x18	0.08	2.03	1.65	41.9	1908	2840	250
W3/0-2CuSn	3/0 AWG	418 19x22	0.08	2.03	1.77	45.0	2600	3870	286
W4/0-2CuSn	4/0 AWG	532 19x28	0.08	2.03	1.92	48.8	2675	3980	328
W250-2CuSn	250 MCM	627 19x33	0.095	2.41	2.10	53.3	3434	5110	363

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
W8-2Cu	8 AWG	166x0.01	0.06	1.52	0.83	21.1	391	581	72
W6-2Cu	6 AWG	259x0.01	0.06	1.52	0.94	23.9	571	849	95
W4-2Cu	4 AWG	412x0.01	0.06	1.52	1.07	27.3	793	1180	127
W2-2Cu	2 AWG	259x0.0159	0.06	1.52	1.26	32.1	1142	1699	167
W1-2Cu	1 AWG	331x0.0159	0.08	2.03	1.41	35.9	1357	2019	191
W1/0-2Cu	1/0 AWG	414x0.0159	0.08	2.03	1.51	38.3	1693	2520	217
W2/0-2Cu	2/0 AWG	522x0.0159	0.08	2.03	1.65	41.9	1908	2840	250
W3/0-2Cu	3/0 AWG	658x0.0159	0.08	2.03	1.77	45.0	2600	3870	286
W4/0-2Cu	4/0 AWG	829x0.0159	0.08	2.03	1.92	48.8	2675	3980	328
W250-2Cu	250 MCM	973x0.0159	0.095	2.41	2.10	53.3	3434	5110	363

(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

