

TYPE W 3/c 2kV

Three 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
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, green, in accordance with Par. 3.18 of ICEA S-75-381/NEMA WC58
Assembly:	Three power conductors and three cured rubber fillers cabled together Single faced rubber filled binder tape applied overall
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.
	AWG or MCM	No. of Stranding	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-3CuSn	8 AWG	133 7x19	0.06	1.52	0.89	22.5	518	771	59
W6-3CuSn	6 AWG	133 7x19	0.06	1.52	1.03	26.1	716	1066	79
W4-3CuSn	4 AWG	259 7x37	0.06	1.52	1.15	29.1	972	1446	104
W2-3CuSn	2 AWG	259 7x37	0.06	1.52	1.31	33.3	1357	2019	138
W1-3CuSn	1 AWG	259 7x37	0.08	2.03	1.49	37.8	1644	2447	161
W1/0-3CuSn	1/0 AWG	266 19x14	0.08	2.03	1.65	41.9	2133	3174	186
W2/0-3CuSn	2/0 AWG	342 19x18	0.08	2.03	1.71	43.5	2567	3820	215
W3/0-3CuSn	3/0 AWG	418 19x22	0.08	2.03	1.85	47.0	2965	4413	249
W4/0-3CuSn	4/0 AWG	532 19x28	0.08	2.03	1.99	50.6	3588	5340	287
W250-3CuSn	250 MCM	627 19x33	0.095	2.41	2.33	59.2	4532	6745	320
W350-3CuSn	350 MCM	888 37x24	0.095	2.41	2.63	66.9	6027	8970	394
W500-3CuSn	500 MCM	1221 37x33	0.095	2.41	2.97	75.5	7996	11900	487

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.
	AWG or MCM	No. and Diameter of Stranding	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-3Cu	8 AWG	166x0.01	0.06	1.52	0.91	23.1	541	805	59
W6-3Cu	6 AWG	259x0.01	0.06	1.52	1.01	25.7	715	1064	79
W4-3Cu	4 AWG	412x0.01	0.06	1.52	1.05	26.5	1010	1503	104
W2-3Cu	2 AWG	259x0.0159	0.06	1.52	1.32	33.6	1405	2091	138
W1-3Cu	1 AWG	331x0.0159	0.08	2.03	1.51	38.4	1734	2581	161
W1/0-3Cu	1/0 AWG	414x0.0159	0.08	2.03	1.63	41.4	2030	3010	186
W2/0-3Cu	2/0 AWG	522x0.0159	0.08	2.03	1.73	44.0	2566	3818	215
W3/0-3Cu	3/0 AWG	658x0.0159	0.08	2.03	1.85	47.0	2885	4293	249
W4/0-3Cu	4/0 AWG	829x0.0159	0.08	2.03	2.05	52.0	3479	5177	287
W250-3Cu	250 MCM	1024x0.0159	0.095	2.41	2.39	60.7	4368	6500	320
W350-3Cu	350 MCM	1361x0.0159	0.095	2.41	2.66	67.5	5895	8772	394
W500-3Cu	500 MCM	1921x0.0159	0.095	2.41	2.98	75.8	7820	11638	487

(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

