

TYPE W 4/c 2kV

Four conductor Round portable power cable Mining grade

SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70
ASTM B 172, ASTM B 33

CONSTRUCTION:

- Conductors:** Annealed flexible stranded tin coated copper in accordance with ASTM B 172 and ICEA S-75-381
- 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
- Assembly:** *Sizes 4/0 and smaller:* Four power conductors and four rubber fillers cabled together; Nylon open braid applied overall; Integral filled jacket for higher torsion resistance
Sizes 250 MCM and larger: Four power conductors and four rubber fillers cabled together; Single faced rubber filled binder tape applied overall
- Separator:** A suitable tape separator between the conductor and insulation
- Jacket:** CPE thermosetting compound, extra heavy duty in accordance with par. 3.21 of ICEA S-75-381; Optional Neoprene® 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



TELE-FONIKA CABLE AMERICAS

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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
W8-4 Mining	8 AWG	133	7x19	0.06	1.52	0.99	25.1	668	994	54
W6-4 Mining	6 AWG	133	7x19	0.06	1.52	1.11	28.3	908	1351	72
W4-4 Mining	4 AWG	259	7x37	0.06	1.52	1.25	31.7	1220	1815	93
W2-4 Mining	2 AWG	259	7x37	0.06	1.52	1.43	36.3	1762	2622	122
W1-4 Mining	1 AWG	259	7x37	0.08	2.03	1.66	42.1	2127	3165	143
W1/0-4 Mining	1/0 AWG	266	19x14	0.08	2.03	1.77	45.0	2720	4047	165
W2/0-4 Mining	2/0 AWG	342	19x18	0.08	2.03	1.91	48.5	3291	4897	192
W3/0-4 Mining	3/0 AWG	418	19x22	0.08	2.03	2.04	51.8	3889	5787	221
W4/0-4 Mining	4/0 AWG	532	19x28	0.08	2.03	2.24	56.8	4763	7087	255
W250-4 Mining	250 MCM	627	19x33	0.095	2.41	2.61	66.2	5562	8276	280
W350-4 Mining	350 MCM	888	37x24	0.095	2.41	2.95	74.8	7329	10906	335
W500-4 Mining	500 MCM	1221	37x33	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

