

TYPE W 3/c 2kV

Three 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, green in accordance with Par. 3.18 of ICEA S-75-381
Assembly:	<i>Sizes 4/0 and smaller:</i> Three power conductors and three rubber fillers cabled together; Nylon open braid applied overall; Integral filled jacket for higher torsion resistance <i>Sizes 250 MCM and larger:</i> Three power conductors and three rubber fillers cabled together; Single faced rubber filled binder tape applied overall
Separator:	A suitable tape separator between the conductor and insulation
Reinforcement:	Nylon open braid over assembly
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:	523058 (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
W8-3 Mining	8 AWG	133	7x19	0.06	1.52	0.91	23.1	541	805	59
W6-3 Mining	6 AWG	133	7x19	0.06	1.52	1.01	25.7	715	1064	79
W4-3 Mining	4 AWG	259	7x37	0.06	1.52	1.05	26.5	1010	1503	104
W2-3 Mining	2 AWG	259	7x37	0.06	1.52	1.32	33.6	1405	2091	138
W1-3 Mining	1 AWG	259	7x37	0.08	2.03	1.51	38.4	1734	2581	161
W1/0-3 Mining	1/0 AWG	266	19x14	0.08	2.03	1.63	41.4	2030	3010	186
W2/0-3 Mining	2/0 AWG	342	19x18	0.08	2.03	1.73	44.0	2566	3818	215
W3/0-3 Mining	3/0 AWG	418	19x22	0.08	2.03	1.85	47.0	2885	4293	249
W4/0-3 Mining	4/0 AWG	532	19x28	0.08	2.03	2.05	52.0	3479	5177	287
W250-3 Mining	250 MCM	627	19x33	0.095	2.41	2.39	60.7	4368	6500	320
W350-3 Mining	350 MCM	888	37x24	0.095	2.41	2.66	67.5	5895	8772	394
W500-3 Mining	500 MCM	1221	37x33	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

