

Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44

CONSTRUCTION:

Conductors:	Flexible strand tin copper, ASTM B-172 and ICEA S-75-381/NEMA WC58
Separator:	Tape separator between the conductor and insulation
Insulation:	Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-9
Assembly:	Conductors and rubber fillers cabled to form round core
Reinforcement:	Single faced rubber filled binder tape over insulation
Jacket:	Black heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.4, table 3-4
Color Code:	ICEA S-75-381 sec 3.18; black, white, green

FEATURES	APPLICATIONS
- Excellent flexibility - Water resistant and flame resistant - Rated and flexible at -40°C to +90°C - Excellent impact and abrasion resistant - Ozone sunlight oil, grease, weather, chemical resistant	- Portable power systems - Other industrial applications - Mining application where bare grounding conductors are not required

APPROVALS:

UL:	E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
C(UL):	E207132 - FT1; FT5; -40°C +90°C
MSHA:	P-7K-268101

3 CONDUCTOR

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	8 AWG	133 7x19	0.060	1.52	0.91	23.1	541	805	59
W6-3	6 AWG	133 7x19	0.060	1.52	1.01	25.7	715	1064	79
W4-3	4 AWG	259 7x37	0.060	1.52	1.05	26.5	1010	1503	104
W2-3	2 AWG	259 7x37	0.060	1.52	1.32	33.6	1405	2091	138
W1-3	1 AWG	259 7x37	0.080	2.03	1.51	38.4	1734	2581	161
W1/0-3	1/0 AWG	266 19x14	0.080	2.03	1.63	41.4	2030	3010	186
W2/0-3	2/0 AWG	342 19x18	0.080	2.03	1.73	44.0	2566	3818	215
W3/0-3	3/0 AWG	418 19x22	0.080	2.03	1.85	47.0	2885	4293	249
W4/0-3	4/0 AWG	532 19x28	0.080	2.03	1.99	50.6	3479	5177	287
W250-3	250 MCM	627 19x33	0.095	2.41	2.39	60.7	4368	6500	320
W350-3	350 MCM	888 37x24	0.095	2.41	2.66	67.5	5895	8772	394
W500-3	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:

TF CABLE (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT5 (-40°C) P-7K-268101-MSHA

SPECIAL FACTORY OPTIONS:

Jacket:	Other colors available
MSHA:	P-7K-268077 (Neoprene)
CSA:	1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)