

Type W Portable Power Cable

2000V, 90°C



PRODUCT DATA SHEET

Type W Cable is a durable, heavy-duty portable power cable for use outdoors in industrial and mining applications. Cables have thick synthetic rubber insulation and an oil, chemical, and water-resistant jacket. It has good impact and abrasion resistance and a voltage rating 2000V.

CONSTRUCTION

Conductor: Annealed plain or tinned Copper, Class-H to ASTM B173

Number of Cores: See Table 1

Insulation Material: EPR Compound

Laying Up: Cores are laid up together and taped with suitable binder tape (if required)

Reinforcement: Nylon/cotton perforated tape shall be provided over laid up

Jacket Material: CPE Compound

Overall Diameter: See Table 1

Jacket Color: Black

Operating Temperature (°C): -20°C to +90°C

Voltage Rating: 2000 V

Recommended Min. Bending Radius: 4 x Overall Diameter of Cable

Print Legend:

ASCENT E546463 (UL) #AWG #/C TYPE W PORTABLE POWER CABLE 2000V
90°C SUN RES OIL RES 90°C WET OR DRY C(UL) FT1 FT5 (-40°C) YEAR
XXXXXM

Note: “#” is conductor size and number of cores



Picture for reference only

FEATURES

- Excellent impact and abrasion resistant
- Water resistant and flame resistant
- Ozone, sunlight, oil, grease, weather, chemical resistant

PERFORMANCE STANDARDS

- UL listed - Type W per UL 1650
- Conductors are manufactured in accordance with ASTM B173
- C(UL) Certified as applicable
- Meet FT-5 flame test
- RoHS Compliant

APPLICATIONS

- Industrial and light-to-medium mining applications
- Heavy-duty service and temporary as power supply cables
- Mobile and portable electrical equipment
- Motor, battery and generator leads

Table 1

No. of Cond.	AWG	Nom. Ins. Thickness		Nom. Jac. Thickness		Nom. OD		Max. DC Resistance at 20°C (Ω/km)		Current Amps [†]	Approx. Weight		Color Code
		Inch	mm	Inch	mm	Inch	mm	TC	PC		Lbs/Mft	Kg/km	
2	8	0.060	1.52	0.109	2.77	0.827	21.0	2.33	2.18	74	424	630	Brown, Orange
2	6	0.060	1.52	0.109	2.77	0.925	23.5	1.46	1.38	99	545	810	Brown, Orange
3	8	0.060	1.52	0.141	3.58	0.980	24.9	2.33	2.18	65	572	850	Yellow, Gray, Green
3	6	0.060	1.52	0.141	3.58	1.043	26.5	1.46	1.38	87	727	1080	Yellow, Gray, Green

[†]Continuous Current Rating in Air at 30 °C per (NEC Table 400.5 (A)(2))

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Revision History	
00	2025/03/07 Initial release
Created L. Jian	Approved T.Plochocki

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