

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 laidup

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

Cond. Type	Description	ASCENT MPN	IEWC P/N	Nom. Ins. Thickness		Nom. Jac. Thickness		O.D	Max. DC Res. @20°C (Ω/km)	Current Amps †	Approx. Weight	
				Inch	mm	Inch	mm				Lbs/Mft	Kg/km
Tinned copper	2Cx8AWG	ATC-W0802-0-ASC	32199934	0.060	1.52	0.109	2.77	21.0±0.40	2.33	74	424	630
	3Cx8AWG	ATC-W0803-0-ASC	32199935	0.060	1.52	0.141	3.58	24.9±0.50	2.33	65	572	850
Plain copper	2Cx8AWG	APC-W0802-0-ASC	32199936	0.060	1.52	0.109	2.77	21.0±0.40	2.18	74	424	630
	3Cx8AWG	APC-W0803-0-ASC	32199937	0.060	1.52	0.141	3.58	24.9±0.50	2.18	65	572	850

COLOR CODE

2-core	Brown, Orange
3-core	Yellow, Gray, Green

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

Design Number	10969	
Revision History		
00	2025/03/07	Initial release
01	2025/03/14	Part Numbers are added
02	2025/05/26	6AWG size is removed
03	2025/07/16	Overall Diameter tolerance is added
Created L. Jian	Approved T. Plochocki	

Milwaukee | 5001 South Towne Dr. New Berlin, WI 53151, USA
Frankfurt | Rudolf-Braas-Strasse 2, D-61381 Friedrichsdorf, Germany
Luton | Unit 11, Humphrys Road, Woodside Industrial Estate, Dunstable, LU5 4TP, UK
Suzhou | B2-2 Weiting Industrial - Workshop A, No. 9 Weixin Road, Suzhou Industrial Park, China

All trademarks are property of their respective owners. All specifications are subject to change.

