

Conductors

Bunched strands of tinned annealed copper per ASTM B33. Stranding other than those listed in the table are available upon special order.

Fillers

Fibrous filler provides great impact resistance and flexibility. Rubber fillers are available upon special order.

Jacket

Flame retardant, oil and sunlight resistant Chlorinated Polyethylene (CPE). Reinforced, two layer jacket construction is used on AWG size 1/0 and larger cables. Black standard. Consult factory for colored jackets.

Ratings & Approvals

- UL Listed as Type W
- UL Listed as type TC
- ASTM B-33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes
- ASTM D2802: Standard Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation for Wire and Cable
- ICEA S-68-516/ NEMA WC-8: Ethylene-Propylene Rubber Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy
- ICEA S- 95-658/ NEMA WC-70: Nonshielded Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- MSHA P-184
- Flame Resistance: FT-4



Separator

A suitable separator provides for easy stripping of insulation

Insulation

Ethylene-Propylene rubber (EPR) per ICEA S-95-658, also meeting ASTM D-2802. Insulation material color coded through AWG size #2. Larger sizes are coded with fabric tape wraps. One black, one white, one green.

Reinforcement

Polypropylene reinforcing braid provides long flex life

Application

Tiger® Brand 600-2000 Volt three conductor cables are recommended for installations where long flex life, great flexibility and wearability are desired. Applications include heavy duty or temporary power supply service, AC or DC, to motor or generators, portable and stationary heavy duty equipment, cranes, conveyors and other mobile equipment. They are also recommended for use on Payout and Retractable reels, festoons, suspended loops and power tracks. They may be installed in air, in ducts, immersed in water or directly buried in the earth. However, they are not UL Type USE. For cables requiring reduced flame propagation, refer to the factory.

Features

- Suitable for continuous operating temperatures of 90°C
- Suitable for use in festoons, suspended loops and power tracks
- Suitable for use on Payout and Retractable reels (P&R)
- Heavy-Duty jacket offers excellent protection against abrasion, impact, heat, oil, flame, ozone, alkali and acids.
- Extremely flexible stranding used for increased flexibility and ease of installation
- Dual Rated 600V and 2kV



37-431

Portable Power Cable • Type W Three Conductor • 600-2000 Volts

Qualified for P&R Reeling Service • 90°C

Part No. 37-431 Size AWG Min. Wires per Cond. Nom. Ins. Thickness Nom. Jacket Thickness O.D. lbs per 1000 ft. Ampacity

Three Conductor Portable Power Cable – Type W, Round

Part No.	Size AWG	Min. Wires per Cond.	Nom. Ins. Thickness	Nom. Jacket Thickness	O.D.	lbs per 1000 ft.	Ampacity
008	8	133	0.060	0.141	0.930	513	65
006	6	133	0.060	0.141	1.025	643	87
004	4	133	0.060	0.125	1.200	962	114
002	2	259	0.060	0.141	1.340	1295	152
010	1/0	266	0.080	0.156	1.665	1967	205
020	2/0	323	0.080	0.156	1.75	2260	237
030	3/0	418	0.080	0.156	1.900	2863	274
040	4/0	532	0.080	0.172	2.050	3381	316
250	250	627	0.095	0.250	2.395	4375	352
350	350	888	0.095	0.259	2.684	5562	433
500	500	1221	0.095	0.290	3.030	7408	536

* Ampacity is calculated with a 90°C conductor temperature and 30°C ambient air, per 1999 NEC, Table 400-5(B)

* Cable diameters and weights are subject to +/- 5% manufacturing tolerance

* **A full line of UL listed Type G cables with grounding conductors is available. Consult factory.**

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