

37-432



**AmerCable**  
Industrial Cables

## Portable Power Cable • Type W Four Conductor • 600-2000 Volts

Qualified for P&R Reeling Service • 90°C

### Conductors

Bunched strands of tinned annealed copper per ASTM B33. Strandings 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 250 kcmil and larger cables. Black standard. Consult factory for colored jackets.



### 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 red, one white, one green.

### Reinforcement

Polypropylene reinforcing braid provides long flex life

### Application

Tiger® Brand 600-2000 Volt 4 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

### 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



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Part No 37-432- Size AWG min. wires per cond. Nom. Insul. Thickness Nom. Jacket Thickness Nom. O.D. lbs per 1000 ft Ampacity

## 4 Conductor Portable Power Cable – Type W, Round

Part No	Size AWG	min. wires per cond.	Nom. Insul. Thickness	Nom. Jacket Thickness	Nom. O.D.	lbs per 1000 ft	Ampacity
008	8	133	0.060	0.141	1.020	601	65
006	6	133	0.060	0.141	1.135	801	87
004	4	133	0.060	0.125	1.240	1138	114
002	2	259	0.060	0.125	1.490	1663	152
010	1/0	266	0.080	0.156	1.810	2471	205
020	2/0	323	0.080	0.156	1.940	2975	237
040	4/0	532	0.080	0.156	2.260	4376	316
250	250	627	0.095	0.270	2.665	5725	352
350	350	888	0.095	0.290	3.000	7428	433
500	500	1221	0.095	0.310	3.425	10010	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
- For more than four conductors, refer to factory
- **A full line of UL listed Type G cables with grounding conductors is available. Consult factory.**

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