

# PORTABLE POWER CABLE

## Entertainment Cable

**TYPE SC - STAGE & LIGHTING CABLE • 600 VOLTS • 105°C • -35°C**

### FEATURES

- UL listed Type SC per NEC Article 520 and 530, indoor and outdoor locations
- Meets VW-1, MSHA and IEEE 383 flame tests
- Excellent flexibility
- Excellent resistance to oil, solvents, ozone, aging and abrasion
- **Suitable for continuous submersion in water**

### APPLICATIONS

Portable power and lighting applications in the entertainment industry including motion picture, television, theatres, stage and similar locations.

### CONSTRUCTION

Flexible stranding (30 AWG) annealed bare copper, separator, oil resistant thermoset jacket (black).

#### Cable Identification

Indent print on cable surface:

"(size) AWG Type SC 105°C 600V Oil Res. 60°C Water Resistant Max Amps NEC Table 400-5 (B) for 90°C (UL) — CSA -50°C Type PPC Stage Lighting Cable 90°C FT5"

Flexible 30 AWG Stranding,  
Annealed Bare Copper



OSHA Acceptable

| PART NUMBER                                      | AWG SIZE | STRANDING | NOMINAL O.D. | AMPS <sup>1</sup> | SHIP WT. LBS./M FT. |
|--|----------|-----------|--------------|-------------------|---------------------|
| 05-0839  | 8        | 164x30    | .335         | 80                | 150                 |
| 05-0841  | 6        | 259x30    | .390         | 105               | 210                 |
| 05-0843  | 4        | 413x30    | .450         | 140               | 290                 |
| 05-0845  | 2        | 651x30    | .515         | 190               | 393                 |
| 05-0847  | 1/0      | 1050x30   | .650         | 260               | 595                 |
| 05-0849  | 2/0      | 1308x30   | .655         | 300               | 696                 |
| 05-0851  | 4/0      | 2090x30   | .795         | 405               | 1032                |
| <b>90°C Rated Green CPE Insulation (UL only)</b> |          |           |              |                   |                     |
| 05-0853  | 6        | 266x30    | .365         | 105               | 163                 |

<sup>1</sup>Based on 30°C ambient temperature in air, 90°C conductor temperature per Table 400-5 (B) of the 1996 NEC.

## Type W Magnet Crane Cable

**8 AWG - 2 AWG • 600/2000V**

### FEATURES

- Heavy duty
- Qualified for reeling
- Branded
- MSHA
- ICEA S-68-516
- NEMA WC-8
- UL listed type W
- UL listed type TC

### APPLICATIONS

W 600-2000 Volt cables can be used for heavy duty or temporary power supply service, AC or DC, to mobile or fixed position machinery of all types. They are recommended for installations where long flex life, great flexibility and wearability are desired.

### CONSTRUCTION

#### Conductors

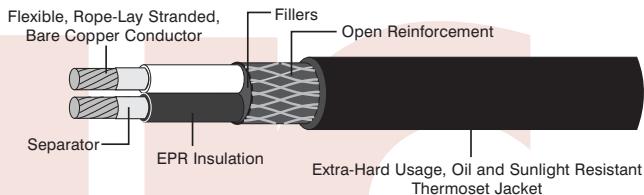
Bunched strands of coated copper annealed dead soft per ASTM B3. Strandings other than those listed in the chart are available upon special order.

#### Identification

At intervals complete identifying data are branded into the jacket with indented or embossed letters that are highly resistant to scuffing.

#### Ampacity

Current carrying capacities shown in the right-hand column of this chart are based on continuous duty at 90°C copper temperature when operating at 40°C ambient with cable in free air.



MSHA Listed  
OSHA Acceptable

| PART NUMBER                  | SIZE AWG | STRANDING | NOMINALS (INCHES) |        |      | AMPACITY 90°C | SHIP WT. LBS./M FT. |
|------------------------------|----------|-----------|-------------------|--------|------|---------------|---------------------|
|                              |          |           | INS.              | JACKET | O.D. |               |                     |
| <b>TWO CONDUCTOR ROUND W</b> |          |           |                   |        |      |               |                     |
| 05-0855                      | 8        | 133       | .062              | .107   | .81  | 73            | 355                 |
| 05-0857                      | 6        | 133       | .062              | .125   | .93  | 95            | 500                 |
| 05-0859                      | 4        | 133       | .062              | .155   | 1.08 | 127           | 710                 |
| 05-0861                      | 2        | 259       | .062              | .165   | 1.27 | 167           | 970                 |

#### Separator

A suitable separator over the conductor will be used.

#### Insulation

Heat resisting 90°C Ethylene Propylene Rubber (EPR), meeting ASTM D-2802. Insulation material color coded through AWG size #2.

#### Fillers

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

#### Jacket

The cable shall be jacketed with a thermoset compound which meets or exceeds requirements of ASTM D-4247

»Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.



PITTSBURGH WIRE & CABLE INC.