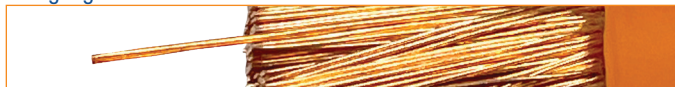




ORANGE FLEX WELDING CABLES

Features

- Premium American Made Welding Cable
- Enhanced flexibility to maneuver and work in the toughest of conditions!
- New & improved jacket has a higher heat tolerance than standard flex jackets and still comes with the same resistance to tears, cuts, abrasion, slag and impact
- Special stranded conductor maintains flexibility, even at cold temperatures up to -50°C
- 30.5 gauge individual strands



- Our high-quality custom cable kits are RoHS compliant, lead-free and silicone-free
- Superior resistance to heat, water, grease, solvents, weather and ozone
- Sequentially marked with Class-K stranding
- Private labeling available (MOQs and lead times will apply)

Technical Specifications

Spark Tested for 600V

Voltage rating procedure incorporating the IPCEA-S-19-81 D.C. spark test.

| AWG | Voltage (KV) |
|----------|--------------|
| 6 to 2 | 22.5 |
| 1 to 4/0 | 27.0 |

Separators: Paper separator for ease of stripability

Colors: Orange

Packaging:

- Standard lengths: 250' and 500' reels
- Coiled, boxed, and shrink-wrapped package options for 25, 50, and 100 ft. lengths
- Custom lengths available upon request

Insulation: EDPM

Conductor: Annealed rope-stranded Class M, bare copper as per ASTM B3.34 AWG; Meets CMA requirements of ASTM B172

Operating Temperature Range: - 50°C to + 105°C (- 58°F to + 221°F)
ASTM D-4313 compliant

Full Cable Reels

| Item Number | Description | Color | Length |
|-------------|---|--------|--------|
| PRE100250 | #1/0 "TECHNIWELD USA FLEX" WELDING CABLE REEL | ORANGE | 250 FT |
| PRE100 | #1/0 "TECHNIWELD USA FLEX" WELDING CABLE REEL | ORANGE | 500 FT |
| PRE200250 | #2/0 "TECHNIWELD USA FLEX" WELDING CABLE REEL | ORANGE | 250 FT |
| PRE200 | #2/0 "TECHNIWELD USA FLEX" WELDING CABLE REEL | ORANGE | 500 FT |
| PRE10250 | #1 "TECHNIWELD USA FLEX" WELDING CABLE REEL | ORANGE | 250 FT |
| PRE20250 | #2 "TECHNIWELD USA FLEX" WELDING CABLE REEL | ORANGE | 250 FT |

ARC STAR

Applications

- Used as power feed leads from the welding power source unit to the electrodes for arc welders; NEC article 630 electric welders
- Highly flexible lead cable used on battery cable, and temporary or permanent lead cables
- For use in all welding applications requiring leads, grounds and stingers/whips.
- Manufacturing - Architectural and Structural Metals, Mining, Agricultural, Motor Vehicles, Aerospace, Shipbuilding
- Construction - Residential, Commercial, Bridges, Dams, Utilities
- Or any other industry where welders may work

Usage Instructions

1. Determine cable size and length for application
2. Determine proper connector for cable
3. Strip and properly prepare cable tips
4. Select proper installing die tool with correct die in proper position on connector and activate tool or select proper installing dieless tool.
5. Crimp as directed by the manufacturer's instructions.
6. Properly secure connectors

SUGGESTED AMPACITY FOR WELDING CABLE DISTANCE MEASURED IN FEET*

| AMPS | 50' | 75' | 100' | 125' | 150' | 175' | 200' | 225' | 250' | 275' | 300' | 325' | 350' |
|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 100 | #4 | #2 | #2 | #1 | #1 | 1/0 | 2/0 | 2/0 | 3/0 | 3/0 | 3/0 | 4/0 | 4/0 |
| 150 | #2 | #2 | #1 | 1/0 | 2/0 | 3/0 | 3/0 | 4/0 | 4/0 | 250mcm | 250mcm | 250mcm | 350mcm |
| 200 | #2 | #1 | 2/0 | 3/0 | 3/0 | 4/0 | 4/0 | 250mcm | 350mcm | 350mcm | 350mcm | 350mcm | |
| 250 | #1 | 1/0 | 3/0 | 4/0 | 4/0 | 250mcm | 350mcm | 350mcm | 350mcm | | | | |
| 300 | #1 | 2/0 | 3/0 | 4/0 | 250mcm | 350mcm | 350mcm | 350mcm | | | | | |
| 350 | 1/0 | 3/0 | 4/0 | 250mcm | 350mcm | 350mcm | | | | | | | |
| 400 | 2/0 | 3/0 | 250mcm | 350mcm | 350mcm | | | | | | | | |
| 450 | 2/0 | 4/0 | 250mcm | 350mcm | 350mcm | | | | | | | | |
| 500 | 3/0 | 4/0 | 350mcm | 350mcm | | | | | | | | | |
| 550 | 4/0 | 250mcm | 350mcm | | | | | | | | | | |
| 600 | 4/0 | 250mcm | 350mcm | | | | | | | | | | |

This table is for reference only. There are variables in welding applications, therefore it is recommended the user consult an electrical engineer for a particular welding application.

*Distance from power source (per lead)

WARNING: This product contains or produces a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm)
(California Health and Safety Code Section 25249.5 et seq.) for more information visit <https://www.p65warnings.ca.gov>