

Welding Cable



APPLICATION:

Welding cables are designed for connections from electrode holders and clamps to arc welders, bus welding box or transformer. Recommended for use in shipyards, mines and other areas where the cable is subject to extreme physical abuse.

CONDUCTORS:

- Rope-lay stranded soft drawn bare copper conductor per ICEA S-75-381

INSULATION:

- Abrasion, heat and moisture resistant insulation of ethylene propylene diene monomer rubber EPDM, which is resilient and resists compression cuts. Welding Cable is suitable for use in a temperature range of -50°C to +105°C

STANDARDS:

- ASTM B-3 & B-172
- ICEA S-75-381
- IEC 245-1
- Sunlight resistant

| Part Number | Conductor Size | Conductor Stranding | Insulation Thickness | | Overall Diameter | | Net Weight | Conductor Nominal Resistance |
|-------------|----------------|---------------------|----------------------|------|------------------|-------|------------|------------------------------|
| | AWG/kcmil | 30ga Class K | inches | mm | inches | mm | lbs/km | 20°C Ω/km |
| 6WELD | 6 | 285 | 0.059 | 1.50 | 0.319 | 8.10 | 394 | 0.419 |
| 4WELD | 4 | 412 | 0.059 | 1.50 | 0.366 | 9.30 | 591 | 0.263 |
| 2WELD | 2 | 647 | 0.071 | 1.80 | 0.429 | 10.90 | 853 | 0.167 |
| 1WELD | 1 | 817 | 0.071 | 1.80 | 0.508 | 12.90 | 1050 | 0.133 |
| 1/0WELD | 1/0 | 1021 | 0.079 | 2.01 | 0.555 | 14.10 | 1312 | 0.105 |
| 2/0WELD | 2/0 | 1289 | 0.079 | 2.01 | 0.598 | 15.19 | 1640 | 0.084 |
| 3/0WELD | 3/0 | 1650 | 0.079 | 2.01 | 0.673 | 17.09 | 2001 | 0.067 |
| 4/0WELD | 4/0 | 2065 | 0.079 | 2.01 | 0.716 | 18.19 | 2493 | 0.053 |
| 250WELD | 250 | 2479 | 0.125 | 3.18 | 0.866 | 22.00 | 2805 | - |
| 350WELD | 350 | 3416 | 0.125 | 3.18 | 0.953 | 24.21 | 4117 | - |
| 500WELD | 500 | 4921 | 0.125 | 3.18 | 1.130 | 28.70 | 5906 | - |

All values are nominal and subject to correction

* Nominal Resistance is based on conductor temperature of 25°C Omega/1000ft per ICEA S-75-381