

Portable Power Cable 90°C UL CSA MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

UL 44, ICEA S-95-658/NEMA WC70, UL 1685, IEEE-1202, CSA C22.2 No. 38, ASTM B 8, ASTM B 33, AAR, RP-588 RP-586

CONSTRUCTION:

- Nominal voltage:** RHH/RHW-2 600V and 2000V, RW-90 CSA, 1kV, DLO 2kV
- Conductors:** Flexible strand tin coated copper conductor, B-172, ASTM B-33
- Separator:** Tape separator between conductor and insulation
- Insulation:** Ethylene-propylene rubber (EPR), UL, CSA, ICEA, AAR RP-588, 90°C
- Jacket:** Black heavy duty, thermoset CPE, ICEA S-95-658 NEMA WC70, AAR RP-586
- Bending radius:** For fixed – minimum 4xD, for flexible – minimum 6xD, D – diameter of cable
- Torsion stresses:** ±100 °/m

| FEATURES | APPLICATION |
|---|---|
| <ul style="list-style-type: none"> - UL listed RHH/RHW-2 600 V and 2000V for black jacket - Rated 2kV DLO, 1kV RW90 - 90°C (dry) 90°C (wet) - Ozone, sunlight, oil, grease, weather, water, chemical and abrasion resistant jacket - Tray Cable (TC) Rated RW-90 CSA - MSHA, VW-1, SUN RES, FOR CT USE for sizes 1/0 AWG and larger and for black jacket - Limited Smoke (LS) ST1 in accordance with (UL) 1685 | <ul style="list-style-type: none"> - Designed for uses requiring a flexible heavy duty power cables - For portable or fixed installations - Leads for motors, generators, batteries, jumper cables - Deep well Submersible Pump Cable |

APPROVALS:

- UL:** E193594 (CPE jacket) RHW-2 90C wet and dry, VW-1, Sun Res, for 1/0 and larger ST-1, FT-4, IEEE1202, for CT use
- C(UL):** E193954: TYPE RW90 EP; 1000V; FT1
- CSA:** 1101209 LL103932: 205591; RW-90 90C; FT1; FT4; -40C; OIL RES Tray Cable Sun Res 1/0 and larger
- MSHA:** P-7268080-01-MSHA

| Part Number | Power Conductor Size | Power Conductor Stranding | Conductor Diameter | Nominal Insulation Thickness | Nominal Jacket Thickness | Maximum O.D. | | Approx. Weight | | Ampacity at Ambient Temp. 30°C |
|-------------|----------------------|---------------------------|--------------------|------------------------------|--------------------------|--------------|------|----------------|--------|--------------------------------|
| | AWG or MCM | No. of Stranding | inches | inches | inches | inches | mm | lbs/1000 ft | kgs/km | A |
| DLO14 | 14 AWG | 19/27 | 0.074 | 0.045 | 0.030 | 0.236 | 6.0 | 25 | 37 | 35 |
| DLO12 | 12 AWG | 19/25 | 0.094 | 0.045 | 0.030 | 0.256 | 6.5 | 46 | 68 | 40 |
| DLO10 | 10 AWG | 27/24 | 0.128 | 0.045 | 0.030 | 0.290 | 7.4 | 67 | 100 | 55 |
| DLO8 | 8 AWG | 37/24 | 0.147 | 0.060 | 0.030 | 0.333 | 8.5 | 95 | 141 | 80 |
| DLO6 | 6 AWG | 61/24 | 0.207 | 0.060 | 0.030 | 0.403 | 10.2 | 134 | 199 | 105 |
| DLO4 | 4 AWG | 105/24 | 0.264 | 0.060 | 0.030 | 0.461 | 11.7 | 192 | 286 | 140 |
| DLO2 | 2 AWG | 150/24 | 0.314 | 0.060 | 0.030 | 0.510 | 13.0 | 248 | 369 | 190 |
| DLO1 | 1 AWG | 225/24 | 0.390 | 0.080 | 0.045 | 0.650 | 16.5 | 428 | 637 | 220 |
| DLO1/0 | 1/0 AWG | 275/24 | 0.420 | 0.080 | 0.045 | 0.700 | 17.8 | 480 | 714 | 260 |
| DLO2/0 | 2/0 AWG | 325/24 | 0.460 | 0.080 | 0.045 | 0.740 | 18.8 | 558 | 830 | 300 |
| DLO3/0 | 3/0 AWG | 450/24 | 0.555 | 0.080 | 0.045 | 0.815 | 20.7 | 742 | 1104 | 350 |
| DLO4/0 | 4/0 AWG | 550/24 | 0.587 | 0.080 | 0.045 | 0.870 | 22.1 | 872 | 1298 | 405 |

*** Based on single conductor in free air, 30°C ambient air temperature 90°C conductor temperature per 2005 NEC Table 310.17

STANDARD PRINT LEGEND:

1 AWG AND SMALLER: TF CABLE TORSIONFLEX E193594 (UL) TYPE RHW-2 (SIZE) 2KV VW-1 SUN RES TYPE RW-90 EP 1000V (CSA) 205591 -40C FT1 FT4 TYPE DLO 2KV 90C P-7K-268080-01-MSHA

1/0 AWG AND LARGER: TF CABLE TORSIONFLEX E193594 (UL) TYPE RHW-2 (SIZE) 2KV VW-1 ST1 SUN RES TYPE RW-90 EP 1000V (CSA) 205591 -40C FT1 FT4 SR OIL RES TC TYPE DLO TF CABLE 2KV 90C P-7K-268080-01-MSHA