

DLO/RHH/RHW-2/RW90/RW90-TC
2000V Portable Power Cable 90°C UL CSA MSHA
Industrial Grade



Construction

| | |
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| Nominal voltage: | RHH/RHW-2 600V and 200V, RW-90 CSA, 1kV, DLO 2kV |
| Conductors: | Flexible Stranded tin coated copper, B-172, ASTM B33 |
| Insulation: | Ethylene-propylene rubber (EPR) UL, CSA, ICEA, AAR RP-588 90°C |
| Separator: | Tape separator between conductor and insulation |
| Jacket: | Black heavy duty, thermoset CPE, ICEA S-95-658 NEMA WC70, AAR RP-586 |
| Bending radius: | For static – minimum 4xD, for dynamic – minimum 6xD, D = diameter of cable |

Features

- UL listed RHH/RHW-2 600V and 2000V for black jacket
- Rated 2kV DLO, 1kV RW90
- 90°C dry and wet
- Ozone, sunlight, oil, grease, weather, chemical and abrasion resistant jacket
- Rated RW90-TC (tray cable) for sizes 1/O AWG and larger
- MSHA, VW-1, Sun Res for CT use for sizes 1/O AWG and larger and for black jacket
- Limited Smoke (LS) ST1 in accordance with UL1685
- CSA listed RW90, RW90-TC (for black jacket) 1kV
- Bend radius: 4 x OD (static), 6 x OD (dynamic)

Approvals

- UL: RHW-2 90C wet and dry, VW-1, Sun Res IEE1002 for CT use
- C(UL): TYPE RW90 EPR, 1000V, FT1
- CSA: RW-90 90C, FT1, FT4 1/0AWG Sun Res, OIL RES Tray Cable
- MSHA

Specification and Standards

- UL44, UL1685, CSA C22.2 n.38,n.230
- ICEA S-95-658/NEMA WC70
- IEEE-1202, ASTM B8, B33
- AAR, RP-596

Application

Design for uses requiring a flexible heavy duty power cable. For portable or fixed installations. Leads for motors, generators, batteries, jumper cables. Deep well submersible pump cable. For use in renewable energy applications. Shipyard and railroad applications.

| Part Number | Conductor Size AWG-MCM | Conductor Stranding | Conductor Diameter Inch (mm) | Insulation Thickness Inch (mm) | Jacket Thickness Inch (mm) | OD Inch (mm) | Cable Wt lbs/Mft (kg/km) | Ampacity A 30 C° Ambient T. |
|-------------|---------------------------|---------------------|---------------------------------|-----------------------------------|-------------------------------|-----------------|-----------------------------|-----------------------------------|
| X-DLO-14 | 14 | 19/27 | 0.074 (1.88) | 0.045 (1.14) | 0.030 (0.76) | 0.193 (4.9) | 25 (37) | 35 |
| X-DLO-12 | 12 | 19/25 | 0.094 (2.39) | 0.045 (1.14) | 0.030 (0.76) | 0.217 (5.5) | 46 (68) | 40 |
| X-DLO-10 | 10 | 27/24 | 0.128 (3.25) | 0.045 (1.14) | 0.030 (0.76) | 0.248 (6.3) | 67 (100) | 55 |
| X-DLO-8 | 8 | 37/24 | 0.147 (3.73) | 0.060 (1.52) | 0.030 (0.76) | 0.323 (8.2) | 95 (141) | 80 |
| X-DLO-6 | 6 | 61/24 | 0.207 (5.26) | 0.060 (1.52) | 0.030 (0.76) | 0.362 (9.2) | 134 (199) | 105 |
| X-DLO-4 | 4 | 105/24 | 0.264 (6.71) | 0.060 (1.52) | 0.030 (0.76) | 0.413 (10.5) | 192 (286) | 140 |
| X-DLO-2 | 2 | 150/24 | 0.314 (7.98) | 0.060 (1.52) | 0.030 (0.76) | 0.489 (12.4) | 248 (369) | 190 |
| X-DLO-1 | 1 | 225/24 | 0.390 (9.91) | 0.080 (2.03) | 0.045 (1.14) | 0.583 (14.8) | 428 (637) | 220 |
| X-DLO-1/O | 1/O | 275/24 | 0.420 (10.67) | 0.080 (2.03) | 0.045 (1.14) | 0.642 (16.3) | 480 (714) | 260 |
| X-DLO-2/O | 2/O | 325/24 | 0.460 (11.68) | 0.080 (2.03) | 0.045 (1.14) | 0.681 (17.3) | 558 (830) | 300 |
| X-DLO-3/O | 3/O | 450/24 | 0.555 (14.10) | 0.080 (2.03) | 0.045 (1.14) | 0.781 (19.8) | 742 (1104) | 350 |
| X-DLO-4/O | 4/O | 550/24 | 0.587 (14.90) | 0.080 (2.03) | 0.045 (1.14) | 0.815 (20.7) | 872 (1298) | 405 |
| X-DLO-262 | 262 | 650/24 | 0.660 (16.77) | 0.095 (2.41) | 0.065 (1.65) | 0.921 (23.4) | 1068 (1589) | 471 |
| X-DLO-313 | 313 | 775/24 | 0.725 (18.41) | 0.095 (2.41) | 0.065 (1.65) | 0.984 (25.1) | 1258 (1872) | 511 |
| X-DLO-373 | 373 | 925/24 | 0.787 (19.99) | 0.095 (2.41) | 0.065 (1.65) | 1.055 (26.8) | 1462 (2176) | 590 |
| X-DLO-444 | 444 | 1100/24 | 0.870 (22.10) | 0.095 (2.41) | 0.065 (1.65) | 1.138 (28.9) | 1726 (2568) | 656 |
| X-DLO-535 | 535 | 1325/24 | 0.950 (24.13) | 0.110 (2.79) | 0.065 (1.65) | 1.244 (31.6) | 2018 (3046) | 731 |
| X-DLO-646 | 646 | 1600/24 | 1.040 (26.42) | 0.110 (2.79) | 0.065 (1.65) | 1.355 (33.9) | 2416 (3595) | 815 |
| X-DLO-777 | 777 | 1925/24 | 1.130 (28.70) | 0.110 (2.79) | 0.065 (1.65) | 1.433 (36.4) | 2881 (4287) | 905 |
| X-DLO-929 | 929 | 2300/24 | 1.208 (30.69) | 0.110 (2.79) | 0.065 (1.65) | 1.516 (38.5) | 3455 (5142) | 1005 |
| X-DLO-1111 | 1111 | 2750/24 | 1.370 (34.80) | 0.125 (3.17) | 0.095 (2.41) | 1.791 (45.5) | 4077 (6067) | 1115 |