

TYPE DLO/RHH/RHW-2/RW90

Single conductor Round portable power cable

SPECIFICATIONS & STANDARDS

UL 44, ICEA S-95-658/NEMA WC70
ICEA –S-75-381/NEMA WC58, CSA C22.2 No. 38, ASTM B 8, ASTM B 33
AAR MSRP Section M, RP-588 RP-586

CONSTRUCTION:

Nominal voltage: RHH/RHW-2 600V and 2000V, RW-90 CSA, 1kV, DLO 2kV
Conductors: Annealed flexible stranded tin coated copper conductor in accordance ASTM B-172, ASTM B-33
Separator: A suitable tape separator between the conductor and insulation
Insulation: Ethylene-propylene rubber (EPR) type EP, meeting UL, CSA and ICEA requirements for 90°C, AAR RP-588
Jacket: A heavy duty, thermosetting CPE in accordance with ICEA S-95-658 NEMA WC70, AAR RP-586
Color of jacket: Black; Other colors available



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) Note - Available Option by UL for black- Indent printed for easy identification- UL listed as Submersible Pump Cable	<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

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

MSHA: P-7268080-01-MSHA (CPE)
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" or "103932"; RW-90 90C; "FT1"; "FT4"; "-40C"; "OIL RES" (CPE) TC(Tray Cable) SR (Sun Res) 1/0 and larger



TYPE DLO/RHH/RHW-2/RW90

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 AWG	0.074	0.045	0.030	0.236	6.0	25	37	35
DLO12	12 AWG	19/25 AWG	0.094	0.045	0.030	0.256	6.5	46	68	40
DLO10	10 AWG	27/24 AWG	0.128	0.045	0.030	0.290	7.4	67	100	55
DLO8	8 AWG	37/24 AWG	0.147	0.060	0.030	0.333	8.5	95	141	80
DLO6	6 AWG	61/24 AWG	0.207	0.060	0.030	0.403	10.2	134	199	105
DLO4	4 AWG	105/24 AWG	0.264	0.060	0.030	0.461	11.7	192	286	140
DLO2	2 AWG	150/24 AWG	0.314	0.060	0.030	0.510	13.0	248	369	190
DLO1	1 AWG	225/24 AWG	0.390	0.080	0.045	0.650	16.5	428	637	220
DLO1/0	1/0 AWG	275/24 AWG	0.420	0.080	0.045	0.700	17.8	480	714	260
DLO2/0	2/0 AWG	325/24 AWG	0.460	0.080	0.045	0.740	18.8	558	830	300
DLO3/0	3/0 AWG	450/24 AWG	0.555	0.080	0.045	0.815	20.7	742	1104	350
DLO4/0	4/0 AWG	550/24 AWG	0.587	0.080	0.045	0.870	22.1	872	1298	405
DLO262	262 MCM	650/24 AWG	0.660	0.095	0.065	0.990	25.1	1068	1589	471
DLO313	313 MCM	775/24 AWG	0.725	0.095	0.065	1.055	26.8	1258	1872	511
DLO373	373 MCM	925/24 AWG	0.787	0.095	0.065	1.125	28.6	1462	2176	590
DLO444	444 MCM	1100/24 AWG	0.870	0.095	0.065	1.205	30.6	1726	2568	656
DLO535	535 MCM	1325/24 AWG	0.950	0.110	0.065	1.305	33.1	2047	3046	731
DLO646	646 MCM	1600/24 AWG	1.040	0.110	0.065	1.410	35.8	2416	3595	815
DLO777	777 MCM	1925/24 AWG	1.130	0.110	0.065	1.500	38.1	2881	4287	905
DLO929	929 MCM	2300/24 AWG	1.208	0.120	0.065	1.610	40.9	3455	5142	1005
DLO1111	1111 MCM	2750/24 AWG	1.370	0.125	0.095	1.800	45.7	4077	6067	1115

*** 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:

For sizes 1 AWG and smaller:

TELE-FONIKA E193594 (UL) Type RHW-2 (Size) 2kV VW-1 Sun Res Type RW-90 EP 1000V (CSA) 205591 -40C
 FT-1 FT-4 Type DLO 2kV 90C P-7K-268080-01-MSHA

For sizes 1/0 AWG and larger:

TELE-FONIKA E193594 (UL) Type RHW-2 (Size) 2kV VW-1 Sun Res Type RW-90 EP 1000V (CSA) 205591 -40C
 FT-1 FT-4 SR Oil Res TC Type DLO 2kV 90C P-7K-268080-01-MSHA

