

TYPE DLO/RHH/RHW-2/RW90

Single conductor Round portable power cable

SPECIFICATIONS & STANDARDS

UL 44, ICEA S-68-516/NEMA WC-8
ICEA –S-75-381, CSA C22.2 No. 38, ASTM B 8, ASTM B 33

CONSTRUCTION:

Nominal voltage: RHH/RHW-2 600 and 2000V, R90 CSA, RW90 C(UL), 1000V, DLO 2000V
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
Jacket: A heavy duty, thermosetting CPE or CP compound in accordance with ICEA S-68-516 NEMA WC-8
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 2000V DLO, 1000V R 90- Rated 90° dry or wet- Ozone, sunlight, oil, grease, weather, water, chemical and abrasion resistant jacket- MSHA, "VW-1", "SUN RES", "FOR CT USE" for sizes 1/0 AWG and larger and for black jacket- LS certified by UL or Central Power Office Cable by UL for black- UL listed as Marine Shipboard 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: E193954 (CPE, CP and EP/CP)

Markings for CPE jacket:

1. RHW; RHW-2: "Sun Res" (black jacket)
2. RHH; RHW; RHW-2: "(UL)"; "VW-1"
3. RHW-2: "Sunlight Resistant, for CT use" (1/0 AWG and larger; black jacket); "for CT use" (1/0 AWG and larger); "ST1" or /ST1" and/or "FT-4" and/or "IEEE-1202" (1/0 AWG and larger)

Markings for CP jacket:

1. RHW; RHW-2: "Sun Res" (black jacket)
2. RHH; RHW; RHW-2: "(UL)"; "Sunlight Resistant, for CT use" (1/0 AWG and larger; black jacket); "for CT use" (1/0 AWG and larger); "VW-1"
3. RHW-2: "ST1" or /ST1" and/or "FT-4" and/or "IEEE-1202" (1/0 AWG thru 4/0 AWG)

C(UL): E193954: "(TYPE) RW90 EP"; "1000V"; "FT1"

CSA: 1101209 (LL103932): "205591" or "103932"; "FT1"; "FT4"; "-40C"; "OIL RES" (CPE)



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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 (1) 40°C Ambient Temp.
	AWG or MCM	No. of Wires	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	25
DLO12	12 AWG	19/25 AWG	0.094	0.045	0.030	0.256	6.5	46	68	32
DLO10	10 AWG	27/24 AWG	0.128	0.045	0.030	0.290	7.4	67	100	47
DLO8	8 AWG	37/24 AWG	0.147	0.060	0.030	0.333	8.5	95	141	66
DLO6	6 AWG	61/24 AWG	0.207	0.060	0.030	0.403	10.2	134	199	92
DLO4	4 AWG	105/24 AWG	0.264	0.060	0.030	0.461	11.7	192	286	125
DLO2	2 AWG	150/24 AWG	0.314	0.060	0.030	0.510	13.0	248	369	165
DLO1	1 AWG	225/24 AWG	0.390	0.080	0.045	0.650	16.5	428	637	204
DLO1/0	1/0 AWG	275/24 AWG	0.420	0.080	0.045	0.700	17.8	480	714	236
DLO2/0	2/0 AWG	325/24 AWG	0.460	0.080	0.045	0.740	18.8	558	830	272
DLO3/0	3/0 AWG	450/24 AWG	0.555	0.080	0.045	0.815	20.7	742	1104	324
DLO4/0	4/0 AWG	550/24 AWG	0.587	0.080	0.045	0.870	22.1	872	1298	374
DLO262	262 MCM	650/24 AWG	0.660	0.095	0.065	0.990	25.1	1068	1589	435
DLO313	313 MCM	775/24 AWG	0.725	0.095	0.065	1.055	26.8	1258	1872	488
DLO373	373 MCM	925/24 AWG	0.787	0.095	0.065	1.125	28.6	1462	2176	549
DLO444	444 MCM	1100/24 AWG	0.870	0.095	0.065	1.205	30.6	1726	2568	620
DLO535	535 MCM	1325/24 AWG	0.950	0.110	0.065	1.305	33.1	2047	3046	704
DLO646	646 MCM	1600/24 AWG	1.040	0.110	0.065	1.410	35.8	2416	3595	798
DLO777	777 MCM	1925/24 AWG	1.130	0.110	0.065	1.500	38.1	2881	4287	889
DLO929	929 MCM	2300/24 AWG	1.208	0.120	0.065	1.610	40.9	3455	5142	974
DLO1111	1111 MCM	2750/24 AWG	1.370	0.125	0.095	1.800	45.7	4077	6067	1139

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

For sizes 1 AWG and smaller:

TFCA E193954 (UL) TYPE RHW-2 (SIZE) 2KV VW-1 C(UL) TYPE RW90 EP 1000V (CSA) 205591 R90 EP -40°C FT1 1KV TYPE DLO 2KV 90°C P-7K-268080-01-MSHA

For sizes 1/0 AWG and larger:

TFCA E193954 (UL) TYPE RHW-2 (SIZE) 2KV LS FT-4 VW-1 FOR CT USE C(UL) TYPE RW90 EP 1000V (CSA) 205591 R90 EP -40°C FT1 1KV TYPE DLO 2KV 90°C P-7K-268080-01-MSHA

