



# DLO 2000 V

# RHH/RHW-2 2000 V

# RW90/RW90-TC 1000 V

**UL 44, UL 1685, IEEE-1202, CSA C22.2 No.38**  
**CSA C22.2 No.230, ASTM B-172, ASTM B-174, ASTM B33,**  
**AAR RP-588, RP-586**

Portable Power Cables 90°C UL C(UL) MSHA, Industrial Grade

## APPLICATIONS

- Designed for uses requiring a flexible power cables
- For portable or fixed installations
- Leads for motors generators, batteries, jumper cables
- Deep well Submersible Pump Cable
- Other industrial applications

## CONSTRUCTION

Nominal voltage	RHH/RHW-2 600 and 2000V, RW90 CSA 1kV, DLO 2kV
Conductors	Annealed flexible stranded tinned copper, ASTM B-33
Separator	All sizes except for 14AWG have tape separator between conductor and insulation
Insulation	Ethylene-propylene rubber (EPR), UL, CSA, ICEA, AAR RP-588, 90°C
Jacket	Black heavy duty CPE thermosetting compound, ICEA S-95-658 NEMA WC-70, AAR-586
Bending radius	For fixed minimum 4xD, for flexible minimum 6xD, D- outer diameter of cable



# DLO RHH/RHW-2 RW90/RW90-TC

## Features

UL listed RHH/RHW-2 600V and 2000V for black jacket	Rated RW90-TC (Tray Cable) for sizes 1/0 and larger
Rated 2kV DLO, 1kV RW90	MSHA , VW-1, SUN RES, FOR CT USE for sizes 1/0AWG and larger and for black jacket
90°C (dry), 90°C (wet)	Limited Smoke (LS) ST1 in accordance with (UL) 1685
Ozone, sunlight, oil, grease, weather, chemical and abrasion resistant	CSA listed RW90, RW90-TC (for black jacket ) 1kV

## Approvals

UL:	E193954(CPE jacket) RHW-2 90°C wet and dry, VW-1 Sun Res, for 1/0 and larger ST1, FT4 IEEE 1202, for CT use
C(UL):	E193954 Type RW90 EP, 1kV FT1
CSA:	1101269, LL 103932:205591, RW90 90°C FT1 , FT4 , -40°C, for 1/0AWG and larger, Oil Res, Tray Cable, Sun Res
MSHA:	P-7268080-01
Standard length cable packing	1000ft on drums. Other forms of packing and delivery are available on request

# DLO RHH/RHW-2 RW90/RW90-TC

Part number	Power Conductor Size	Power Conductor Stranding	Conductor Diameter	Nominal insulation thickness	Nominal jacket thickness	Overall diameter			Weight		Ampacity at 30°C in air
	AWG or MCM		Inches	Inches	Inches	Inches	Inches	Inches	lbs/1000ft	kg/km	A
DLO14	14	19#27	0.072	0.045	0.015	0.176	0.192	0.236	28	41	35
DLO12	12	19#25	0.091	0.045	0.015	0.199	0.215	0.256	38	56	40
DLO10	10	27#24	0.123	0.045	0.030	0.261	0.277	0.290	63	93	55
DLO8	8	41#24	0.148	0.055	0.030	0.286	0.302	0.333	92	136	80
DLO6	6	65#24	0.186	0.060	0.030	0.354	0.370	0.403	128	191	105
DLO4	4	105#24	0.240	0.060	0.030	0.408	0.424	0.461	188	280	140
DLO2	2	168#24	0.315	0.060	0.045	0.501	0.528	0.540	292	435	190
DLO1	1	225#24	0.363	0.080	0.045	0.593	0.613	0.650	394	587	220
DLO1/0	1/0	273#24	0.417	0.080	0.045	0.652	0.671	0.700	468	696	260
DLO2/0	2/0	329#24	0.457	0.080	0.045	0.691	0.711	0.740	545	811	300
DLO3/0	3/0	450#24	0.533	0.080	0.045	0.768	0.787	0.815	720	1072	350
DLO4/0	4/0	551#24	0.590	0.080	0.065	0.850	0.884	0.890	886	1320	405
DLO262.6	262.6	644#24	0.636	0.090	0.065	0.931	0.950	0.990	1032	1536	471
DLO313.1	313.1	772#24	0.700	0.090	0.065	0.991	1.015	1.055	1209	1800	511
DLO373.1	373.1	925#24	0.772	0.090	0.065	1.063	1.086	1.125	1422	2116	590
DLO444.4	444.4	1091#24	0.854	0.090	0.065	1.145	1.169	1.205	1652	2458	656
DLO535.3	535.3	1325#24	0.906	0.090	0.065	1.196	1.220	1.300	1965	2924	731
DLO646.4	646.4	1584#24	0.996	0.090	0.065	1.283	1.311	1.410	2312	3441	815
DLO777.7	777.7	1925#24	1.102	0.090	0.065	1.370	1.397	1.500	2778	4134	905

# DLO RHH/RHW-2 RW90/RW90-TC

Part number	Power Conductor Size	Power Conductor Stranding	Conductor Diameter	Nominal insulation thickness	Nominal jacket thickness	Overall diameter			Weight		Ampacity at 30°C in air
	AWG or MCM		Inches	Inches	Inches	minimum	approx.	max.	lbs/1000ft	kg/km	A
DLO929.2	929.2	2281/#24	1.197	0.090	0.065	1.484	1.511	1.610	3246	4831	1005
DLO1111	1111.0	2727/#24	1.325	0.140	0.095	1.760	1.799	1.858	4074	5064	1115

Ampacity – Based on single conductor in free air, 30°C ambient temperature, 90°C conductor temperature

Per NEC Table 310.17

For ambient temperature other than 30°C, multiply the allowable ampacities shown above by the appropriate factor shown below.

#### Correction factors for ambient temperature

Temperature of air [°C]	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-70	71-80
Correction factor	1.04	1.0	0.96	0.91	0.87	0.82	0.76	0.71	0.58	0.41

Correction Factors - Per NEC Table 310.17

## Standard Print Legend

#### For size up to 1AWG

TF CABLE (size) 90C DLO 2KV P-7K-268080-01-MSHA - E193954 (UL) RHW-2 2KV VW-1 SUN RES - CSA 205591 RW90 EPR 1000V -40C FT1 FT4

#### For size 1/0AWG and larger

TF CABLE (size) 90C DLO 2KV P-7K-268080-01-MSHA - E193954 (UL) RHW-2 2KV VW-1 ST1 SUN RES - CSA 205591 RW90 EPR 1000V -40C FT1 FT4 TC SR Oil Res

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