DLO 2000V
RHH/RHW-2 2000V
RW90/RW90-TC 1000V

UL 44, UL 1685, IEEE-1202, CSA C22.2 No. 38 CSA C22.2 No. 230
ASTM B-172, ASTM B-174, ASTM B-33, 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, RW-90 CSA 1kV, DLO 2kV
Conductors	Annealed flexible stranded tinned copper, ASTM B-172, ASTM B-174, 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 – diameter of cable

Features

UL listed RHH/RHW-2 600V and 2000V for black jacket. Rated 2kV DLO, 1kV RW90. 90°C (dry), 90°C (wet). Ozone, sunlight, oil, grease, weather, chemical and abrasion resistant. Rated RW90-TC (Tray Cable) for sizes 1/0 and larger. MSHA, VW-1, SUN RES, FOR CT USE for sizes 1/0AWG and larger and for black jacket. Limited Smoke (LS) ST1 in accordance with (UL) 1685. 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°C FT1, FT4, -40°C, for 1/0AWG and larger, Oil Res, Tray Cable, Sun Res, **MSHA:** P-7K-268080-01

Technical and Electrical Characteristic

Part Number	Power Conductor Size	Power Conductor	Conductor Diameter	Nominal insulation	Nominal jacket	Overall diameter			Weight		Ampacity at 30°C
		Stranding		thickness	thickness	minimum	approx	maximum			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	0.689	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	262.6	644/#24	0.636	0.090	0.065	0.931	0.950	0.990	1032	1536	471
DLO313	313.1	772/#24	0.700	0.090	0.065	0.991	1.015	1.055	1209	1800	511
DLO373	373.7	925/#24	0.772	0.090	0.065	1.063	1.086	1.125	1422	2116	590
DLO444	444.4	1091/#24	0.854	0.090	0.065	1.145	1.169	1.205	1652	2458	656
DLO535	535.3	1325/#24	0.906	0.090	0.065	1.196	1.220	1.300	1965	2924	731
DLO646	646.4	1584/#24	0.996	0.090	0.065	1.283	1.311	1.410	2312	3441	815
DLO777	777.7	1925/#24	1.102	0.090	0.065	1.370	1.397	1.500	2778	4134	905
DLO929	929.2	2281/#24	1.197	0.090	0.065	1.484	1.511	1.610	3246	4831	1005
DLO1111	1111 MCM	2727/#24	1.325	0.140	0.095	1.76	1.799	1.858	4077	6067	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
Correct. factor	1,04	1,0	0,96	0,91	0,87	0,82	0,76	0,71	0,58	0,41

Per NEC Table 310.17

Standard print legend:

1AWG and smaller	**1/0 AWG and larger**
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	TF CABLE (size) 90C DLO 2KV P-7K-268080-01-MSHA - E193954 (UL) RHW–2 2KV VW-1 ST1 SUN RES FT4 FOR CT USE - CSA 205591 RW90 EPR 1000V -40C FT1 FT4 TC-ER SR Oil Res *

**The TC-ER requirement applies to cables manufactured in June 2026 and thereafter.*