

1KV Diesel Locomotive Cable

Diesel Locomotive Cable (DLO) Rated 1000 Volts. 90°C. CT Rated
UL Listed as Type RHH/RHW-2. CSA Certified as AWM IB 90°C



APPLICATIONS

DLO is especially suited to supply power to traction motors of diesel-electric locomotives. It is also recommended as a portable cable for drilling rigs, on-shore or off-shore, railroad and transit car wiring, electric earth-moving equipment, in shipyard applications, arc welder supply leads, power and control jumper cable, telecom power supply and motor leads. The cable is suitable for use in wet or dry areas, conduit, ducts, troughs or trays, and where superior electrical properties are desired. The maximum continuous conductor temperature for normal operation is 90°C in dry locations and 75°C for wet. DLO resists oils, acids, alkalines, heat, flame, and has abrasion resistance.

SPECIFICATIONS

- Made in accordance with UL and CSA Standards
- UL listed as Type RHH-RHW-2 per UL 44
- UL listed as Type USE per UL 854
- CSA listed as AWM per C22.2 No. 210
- Meets FT-4 and VW-1 Flame Tests

CONSTRUCTION

Southwire DLO Cables are manufactured in sizes 16 AWG through 111.1 KCMIL with stranded tinned annealed copper per AAR 589. A paper or polyester tape separates the conductor from the CSPE rubber insulation to aid in stripping.

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WEIGHTS, MEASUREMENTS AND PACKAGING								
AWG OR KCMIL	COND. STRAND	NOMINAL INSULATION THICKNESS		NOMINAL OVERALL DIAMETER		CURRENT AMPS*		APPROX. NET WEIGHT LBS/M**
		INCHES	mm	INCHES	mm	Duct	Free Air	
10	27/24	0.060	1.52	0.255	6.48	40	55	60
8	41/24	0.080	2.03	0.320	8.13	55	80	95
6	65/24	0.080	2.03	0.350	8.89	75	105	145
4	105/24	0.080	2.03	0.400	10.16	95	140	205
2	147/24	0.080	2.03	0.470	11.94	130	190	295
1	224/24	0.095	2.41	0.520	16.51	150	220	440
1/0	273/24	0.095	2.41	0.600	15.24	170	260	515
2/0	324/24	0.095	2.41	0.640	16.26	195	300	580
3/0	448/24	0.095	2.41	0.735	18.67	225	350	770
4/0	532/24	0.095	2.41	0.780	19.81	260	405	930
262.6	646/24	0.110	2.79	0.860	21.89	296	467	1130
313.3	775/24	0.110	2.79	0.930	23.62	326	522	1295
373.7	925/24	0.110	2.79	0.980	24.89	362	591	1545
444.4	1110/24	0.110	2.79	1.055	26.80	400	652	1820
500	1221/24	0.110	2.79	1.090	27.67	430	700	2100
535.3	1332/24	0.125	3.18	1.120	28.45	445	728	2195
646.4	1591/24	0.125	3.18	1.205	30.61	493	815	2560
777.7	1924/24	0.125	3.18	1.270	32.26	545	904	3050

* (1) Ampacities based on 90°C Conductor and 30°C Ambient temperature based on Table 310.16 in the National Electrical Code. for not more than three current-carrying conductors in raceway, cable or earth.

(2) Ampacities based on single-conductor in free air, in accordance with National Electrical Code. Table 310.17.

** Actual shipping weight may vary.

