

DLO – Diesel Locomotive Cable 90°C 2000V



APPLICATION:

Diesel Locomotive Cable or DLO Cable is used for wiring of Diesel-electric locomotives, Telecom power supply, Shipyards, Motor Leads, Mining and earth-moving equipment, Oil and gas rigs and in applications where flexibility and durability is required. The cable is suited for use in wet and dry areas, conduits, ducts, troughs, trays and where superior electrical properties are desirable. For applications up to 2000 volts and for temperatures of -40°C to +90°C.

CONDUCTORS:

- Fully annealed flexible strand Class I 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), per UL, CSA, ICEA, AAR RP-588, 90°C

JACKET:

- Black heavy duty thermoset CPE per ICEA S-95-658 NEMA WC-70, AAR RP-586. Ozone, sunlight, oil, grease, weather, chemical, and abrasion resistant

STANDARDS:

- Type RHH/RHW-2 per UL 44
- Limited Smoke ST1 in accordance with UL1685 vertical flame test
- Rated RW90-TC for TC use sizes 1/0 & larger
- IEEE 1202
- ARR RP-588, RP-586 Approved
- MSHA Approved
- VW-1
- ICEA S-95-658
- NEMA WC-70
- CSA Listed RW90, RW90-TC 1Kv
- CSA C22.2 No. 38 and No. 230
- For 1/0 and larger: ST-1, FT-4, IEEE1202, for CT use



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Part Number	Conductor Size	Conductor Stranding	Nominal Conductor Diameter		Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Nominal Net Weight	Ampacity** 30°C in Air
	AWG	No./AWG	inches	mm	inches	mm	inches	mm	inches	mm	lbs/kft	
14-01DLO	14	19/27	0.072	1.83	0.045	1.14	0.015	0.38	0.192	4.88	28	35
12-01DLO	12	19/25	0.091	2.31	0.045	1.14	0.015	0.38	0.215	5.46	38	40
10-01DLO	10	27/24	0.123	3.12	0.045	1.14	0.030	0.76	0.277	7.04	63	55
8-01DLO	8	41/24	0.148	3.76	0.055	1.40	0.030	0.76	0.302	7.67	92	80
6-01DLO	6	65/24	0.186	4.72	0.060	1.52	0.030	0.76	0.370	9.40	128	105
4-01DLO	4	105/24	0.240	6.10	0.060	1.52	0.030	0.76	0.424	10.77	188	140
2-01DLO	2	168/24	0.315	8.00	0.060	1.52	0.045	1.14	0.528	13.41	292	190
1-01DLO	1	225/24	0.363	9.22	0.080	2.03	0.045	1.14	0.613	15.57	394	220
1/0-01DLO	1/0	273/24	0.417	10.59	0.080	2.03	0.045	1.14	0.671	17.04	468	260
2/0-01DLO	2/0	329/24	0.457	11.61	0.080	2.03	0.045	1.14	0.711	18.06	545	300
3/0-01DLO	3/0	450/24	0.533	13.54	0.080	2.03	0.045	1.14	0.787	19.99	720	350
4/0-01DLO	4/0	551/24	0.590	14.99	0.080	2.03	0.065	1.65	0.884	22.45	886	405
262-01DLO	262.6	644/24	0.636	16.15	0.090	2.29	0.065	1.65	0.950	24.13	1032	471
313-01DLO	313.1	772/24	0.700	17.78	0.090	2.29	0.065	1.65	1.015	25.78	1209	511
373-01DLO	373.1	925/24	0.772	19.61	0.090	2.29	0.065	1.65	1.086	27.58	1422	590
444-01DLO	444.4	1091/24	0.854	21.69	0.090	2.29	0.065	1.65	1.169	29.69	1652	656
535-01DLO	535.3	1325/24	0.906	23.01	0.090	2.29	0.065	1.65	1.220	30.99	1965	731
646-01DLO	646.4	1584/24	0.996	25.30	0.090	2.29	0.065	1.65	1.311	33.30	2312	815
777-01DLO	777.7	1925/24	1.102	27.99	0.090	2.29	0.065	1.65	1.397	35.48	2778	905
929-01DLO	929.2	2281/24	1.197	30.40	0.090	2.29	0.065	1.65	1.511	38.38	3246	1005
1111-01DLO	1111 MCM	2727/24	1.325	33.66	0.140	3.56	0.095	2.41	1.799	45.69	4077	1115

All values are nominal and subject to correction

**Based on single conductor in free air, 30°C ambient air temperature, 90°C conductor temperature per NEC table 310.17



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