

# DLO-DIESEL LOCOMOTIVE CABLE

90°C 2000 VOLT DLO, UL RHH/RHW 600 VOLT,  
CSA R90 1000 VOLT



**90°C Temperature Rating**

**Excellent Impact and Abrasion Resistance**

**Resists Oils, Acids, Alkalies, Heat, Flame**

**Flexible Tinned Copper Stranding**

**FT4 Upon Request**

## APPLICATIONS Suitable for use as follows:

- Diesel electric locomotives
- Telecom power supply
- Oil and gas drilling rigs
- Mining and earth-moving equipment
- Shipyards
- Motor leads
- Where flexible power leads must be installed in conduit or raceways

## STANDARDS & REFERENCES

- UL Listed
- Accepted for listing by MSHA
- CSA R90
- RoHS Compliant

## CONSTRUCTION

- Conductor:  
10 AWG through 777.7 MCM stranded tinned annealed copper per AAR 589
- Insulation:  
Premium-grade 90°C EP
- Jacket:  
VIPER™ CPE, black
- Sample Jacket Marking:  
SIZES 10 THROUGH 1 AWG – SOUTHWIRE VIPER™ (SIZE) (STRANDING) 90°C DLO 2000 VOLTS P-7K-123040 MSHA CSA R90 1000V (UL) RHH or RHW 600 VOLTS  
SIZES 1/0 THROUGH 646.4 – SOUTHWIRE VIPER™ (SIZE) 90°C DLO 2000 VOLTS P-7K-123040 MSHA CSA R90 1000V (-40°C) FT-1 – (UL) RHH or RHW 600 VOLTS SUNLIGHT RESISTANT FOR CT USE  
NOTE: (535.3 AND 646.4 MCM printed (UL) RHH OR RHW 2000 VOLTS)  
SIZE 777.7 MCM ONLY – SOUTHWIRE VIPER™ C(UL) TYPE RHW-2 2KV VW-1 FOR CT USE TYPE DLO 2000V 90°C P-102 MSHA

## PACKAGING

- Lengths cut to order
- Some constructions subject to minimum order quantity





## INDUSTRIAL CORD

### WEIGHTS, MEASUREMENTS AND PACKAGING

AWG OR MCM	CONDUCTOR STRAND	NOMINAL INSULATION THICKNESS		NOMINAL OVERALL DIAMETER		CURRENT AMPS*		APPROX. NET WEIGHT LBS/M <sup>1**</sup>
		inches	mm	inches	mm	1	2	
10	27/24	0.045	1.14	0.26	6.60	40	55	60
8	37/24	0.060	1.52	0.34	8.64	55	80	95
6	61/24	0.060	1.52	0.40	10.16	75	105	145
4	105/24	0.060	1.52	0.46	11.68	95	140	205
2	154/24	0.060	1.52	0.52	13.21	130	190	295
1	224/24	0.080	2.03	0.65	16.51	150	220	440
1/0	280/24	0.080	2.03	0.69	17.53	170	260	515
2/0	329/24	0.080	2.03	0.73	18.54	195	300	580
3/0	456/24	0.080	2.03	0.81	20.57	225	350	770
4/0	551/24	0.080	2.03	0.87	22.10	260	405	930
262.6	646/24	0.095	2.41	1.00	25.40	296	467	1130
313.3	777/24	0.095	2.41	1.06	26.92	326	522	1295
373.7	925/24	0.095	2.41	1.10	27.94	362	591	1545
444.4	1110/24	0.095	2.41	1.23	31.24	400	652	1820
535.3	1332/24	0.120	3.05	1.34	34.04	445	728	2195
646.4	1600/24	0.120	3.05	1.45	36.83	493	815	2560
777.7	1924/24	0.120	3.05	1.50	38.10	910	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.

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