

Super Vu-Tron[®] Diesel Locomotive Cable⁽¹⁾

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



DLO - 2000 VOLTS - EP/CPE

CATALOG NUMBER	AWG SIZE	COND. STRAND	NOM. INS. THICKNESS		NOMINAL O.D.		CURRENT AMPS		APPROX. NET WEIGHT LBS/M ⁽⁶⁾
			INCHES	mm	INCHES	mm	(2)	(4)	
81910	10	27/24	0.045	1.14	0.26	6.60	40	55	60
81908	8	37/24	0.060	1.52	0.33	8.38	55	80	95
81906	6	61/24	0.060	1.52	0.41	10.41	75	105	145
81904	4	105/24	0.060	1.52	0.46	11.68	95	140	205
81902	2	154/24	0.060	1.52	0.52	13.21	130	190	295
81901	1	224/24	0.080	2.03	0.65	16.51	150	220	440
81911	1/0	280/24	0.080	2.03	0.69	17.53	170	260	515
81920	2/0	329/24	0.080	2.03	0.73	18.54	195	300	580
81930	3/0	456/24	0.080	2.03	0.81	20.57	225	350	770
81940	4/0	551/24	0.080	2.03	0.87	22.10	260	405	930
81926	262.6	650/24	0.095	2.41	1.00	25.40	296	467	1130
81931	313.3	777/24	0.095	2.41	1.06	26.92	326	522	1295
81937	373.7	925/24	0.095	2.41	1.10	27.94	362	591	1545
81944	444.4	1110/24	0.095	2.41	1.23	31.24	400	652	1820
81953 ⁽³⁾	535.3	1332/24	0.120	3.05	1.34	34.04	445	728	2195
81964 ⁽³⁾	646.4	1600/24	0.120	3.05	1.45	36.83	493	815	2560
81977 ⁽³⁾	777.7	1924/24	0.110	2.79	1.50	38.10	910	904	3050

⁽¹⁾ All products indent printed P-7K-123040 MSHA to indicate compliance with MSHA Flame Test Standards.
⁽²⁾ Ampacities based on 90°C Conductor and 30°C Ambient temperature based on Table 310-16 in the National Electrical Code[®] for RHH/RHW with not more than 3 current carrying conductors in raceway, cable or earth.
⁽³⁾ (UL) RHH/RHW 2000 Volts
⁽⁴⁾ Ampacities based on single conductor in free air, in accordance with NEC Table 310-17.
⁽⁵⁾ Actual shipping weight may vary.

Product Construction:

Conductor:

- 10 AWG through 777.7 MCM stranded tinned annealed bare copper per AAR 589

Insulation:

- Premium grade 90°C EPDM

Jacket:

- Chlorinated polyethylene (CPE), Black

Jacket Marking:

- SIZES 10 THROUGH 1 - CAROL SUPER VU-TRON (SIZE) (STRANDING) 90C DLO 2000 VOLTS P-7K-123040 MSHA CSA R90 1000V (UL) RHH OR RHW 600 VOLTS
- SIZES 1/0 THROUGH 646.4 - CAROL SUPER VU-TRON (SIZE) 90C DLO 2000 VOLTS P-7K-123040 MSHA CSA R90 1000V (-40C) FT-1 - (UL) RHH OR RHW 600 VOLTS SUNLIGHT RESISTANT FOR CT USE
- SIZE 777 MCM ONLY - CAROL SUPER VU-TRON E194120 C(UL) TYPE RHW-2 2KV VW-1 FOR CT USE TYPE DLO 2000V 90C P-102099 MSHA NOTE: (535.3 AND 646.4 MCM MARKED (UL) RHH OR RHW 2000 VOLTS)

Applications:

- 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

Features:

- 90°C temperature rating
- Excellent impact and abrasion resistance
- Resists oils, acids, alkalies, heat, flame
- Flexible tinned copper stranding

Industry Approvals:

- UL Listed
- MSHA Approved
- CSA R90

Packaging:

- Lengths cut to order

