

Super Vu-Tron® EPR/CPE Diesel Locomotive Cable

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



10 AWG - 777.7 kcmil DLO - 2000 VOLT

CATALOG NUMBER	AWG. OR kcmil	COND. STRAND	NOM. INS. THICKNESS		NOMINAL O.D.		CURRENT AMPS		APPROX. NET WEIGHT LBS/MFT ⁽⁵⁾
			INCHES	mm	INCHES	mm	(1)	(2)	
81910	10	27/24	0.045	1.14	0.26	6.60	40	55	60
81908	8	37/24	0.060	1.52	0.34	8.64	55	80	95
81906	6	61/24	0.060	1.52	0.40	10.16	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	535.3	1332/24	0.120	3.05	1.34	34.04	445	728	2195
81964	646.4	1609/24	0.120	3.05	1.45	36.83	493	815	2560
81977	777.7	1924/24	0.120	3.05	1.50	38.10	546	904	3050

Dimensions and weights are nominal; subject to industry tolerances.

⁽¹⁾ Ampacities based on 90°C Conductor and 30°C Ambient temperature based on 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, 90°C conductor temperature and an Ambient air temperature of 30°C, in accordance with National Electrical Code® (NEC).

⁽⁵⁾ Actual shipping weight may vary.

Product Construction:

Conductor:

- 10 AWG. through 777.7 kcmil stranded tinned annealed copper per AAR 589

Insulation:

- Premium-grade 90°C EP

Jacket:

- Chlorinated Polyethylene (CPE), Black

Jacket Marking:

- SIZES 10 THROUGH 1 AWG - 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
NOTE: (535.3 AND 646.4 MCM PRINTED (UL) RHH OR RHW 2000 VOLTS)
- SIZE 777.7 MCM ONLY - CAROL SUPER VU-TRON C(UL) TYPE RHW-2 2KV VW-1 FOR CT USE TYPE DLO 2000V 90C P-102 MSHA

Applications:

- Diesel electric locomotives
- Telecom power supply
- 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, alkalis, heat, flame
- Flexible tinned copper stranding
- FT4 upon request

Industry Approvals:

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

Packaging:

- Lengths cut to order

