

Diesel Locomotive Cable 2000 Volts (EPR/XL-CPE)

UL RHH/RHW-2 2000 V and CSA RW90 2000V

Flexible, Oil-, Sunlight- and Ozone-Resistant, Flame-Retardant, -40°C to 90°C

Product Construction:

Conductor:

- 14 AWG (2.08 mm) thru 777.7 kcmil (394 mm²)
- Class I fully annealed flexible stranded tin coated copper per AAR 589

Insulation:

- Flame-retardant, lead-free Cross-linked Ethylene Propylene (EP) with separator tape over the conductor to facilitate stripping

Jacket:

- Black, flame-retardant, sunlight-, ozone- and oil-resistant, lead-free Cross-linked Chlorinated Polyethylene (XL-CPE)
- Colors available upon request

Applications:

- For use up to 2000 V as power cables in wind turbine generator applications per UL Subject 6140
- Diesel electric locomotives
- Mining and earth-moving equipment
- General purpose use as flexible power leads



Applications (cont'd):

- Flexible power leads in cable trays in sizes 1/0 AWG and larger
- Accepted for listing as flame-resistant by MSHA

Features:

- Rated 90°C wet or dry per UL 44/CSA C.22.2-38
- Flexible tinned copper stranding
- Excellent resistance to oils, gear lubricants, ozone, sunlight, heat and flame
- Designed to withstand continuous flexing

Torsion Requirements:

- +/-180° twists per meter for 5,000 cycles at -40°C with cable weight compensated to 18 meters

Compliances:

Industry Compliances:

- Type RHH/RHW-2 per UL 44, UL File # E523838
- CSA Type RW90 per CSA C.22.2-38
- National Electrical Code (NEC)
- ICEA S-95-658/NEMA WC70
- "For CT Use" on 1/0 AWG and larger in accordance with NEC®
- TC-ER" on 1/0 AWG and larger in accordance with NEC®
- Accepted for listing as flame resistant by MSHA
- RoHS Compliant

Flame Test Compliances:

- UL 2556 VW-1
- IEEE 1202/CSA FT4 for sizes 1/0 AWG and larger

CATALOG NUMBER	COND. SIZE		COND. STRAND	NOMINAL COND. O.D.		NOM. INS. THICKNESS		JACKET THICKNESS		NOMINAL O.D.		APPROX. NET WEIGHT	
	AWG/ kcmil	mm²		INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km
14 AWG - 777.7 kcmil CONDUCTORS													
5310.01014	14	2.08	19W	0.070	1.8	0.045	1.1	0.015	0.4	0.20	5.1	30	45
5310.01012	12	3.31	19W	0.088	2.2	0.045	1.1	0.015	0.4	0.22	5.6	39	58
5310.01010	10	5.26	27W	0.117	3.0	0.045	1.1	0.015	0.4	0.25	6.4	56	83
5310.01008	8	8.36	37W	0.144	3.7	0.055	1.4	0.030	0.8	0.33	8.4	87	129
5310.01006	6	13.3	61W	0.175	4.4	0.055	1.4	0.030	0.8	0.37	9.4	131	195
5310.01004	4	21.1	105W	0.255	6.5	0.055	1.4	0.030	0.8	0.44	11.2	194	289
5310.01002	2	33.6	158W	0.313	8.0	0.055	1.4	0.030	0.8	0.50	12.7	281	418
5310.01001	1	42.4	224W	0.375	9.5	0.065	1.7	0.045	1.1	0.61	15.5	410	610
5310.01110	1/0	53.5	280W	0.435	11.0	0.065	1.7	0.045	1.1	0.67	17.0	486	723
5310.01210	2/0	67.4	329W	0.440	11.2	0.065	1.7	0.045	1.1	0.70	17.8	530	789
5310.01310	3/0	85	456W	0.535	13.6	0.065	1.7	0.045	1.1	0.77	19.6	708	1054
5310.01410	4/0	107	551W	0.559	14.2	0.065	1.7	0.045	1.1	0.80	20.3	828	1232
5310.01262	262.6	133	650W	0.623	15.8	0.075	1.9	0.065	1.7	0.92	23.4	1004	1494
5310.01313	313.1	158	777W	0.671	17.0	0.075	1.9	0.065	1.7	0.97	24.6	1179	1755
5310.01373	373.7	189	925W	0.735	18.7	0.075	1.9	0.065	1.7	1.04	26.4	1368	2036
5310.01444	444.4	225	1110W	0.786	20.0	0.075	1.9	0.065	1.7	1.09	27.7	1591	2368
5310.01535	535.3	271	1332W	0.871	22.1	0.090	2.3	0.065	1.7	1.20	30.5	1925	2865
5310.01646	646.4	327	1609W	0.965	24.5	0.090	2.3	0.065	1.7	1.29	32.8	2307	3433
5310.01777	777.7	394	1924W	1.050	26.7	0.090	2.3	0.065	1.7	1.38	35.1	2728	4060

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.