

Royal® Diesel Locomotive (DLO)

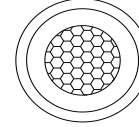
2000V Type DLO, UL 2000V Type RHH/RHW-2, CSA 1000V Type RW90

Construction Parameters:

CONDUCTOR: 8 AWG - 1111.1 kcmil stranded tin copper
Flexible, fully annealed, Class I, tin-coated, copper
in accordance with AAR 585. Bare Copper available on request.

INSULATION: Premium Grade, lead free, Ethylene Propylene Rubber (EP)

JACKET: Lead free, Chlorinated Polyethylene (CPE)
JACKET COLOR: Black
Other jacket colors available upon request.



PRINT LEGENDS:

8 AWG - 1 AWG: CCI ROYAL XX AWG (XX.Xmm²) DLO 90C 2000V -- E137925 (UL) RHH/RHW-2 90C 2000V SUN RES VW-1 -40C PRI PRII - - 156016 CSA RW90 90C DRY 90C WET 1000V PRI PRII SR -40C FT1

1/0 AWG - 1111.0 KCMIL: CCI ROYAL XX AWG (XX.Xmm²) DLO 90C 2000V -- E137925 (UL) RHH/RHW-2 90C 2000V SUN RES VW-1 -40C PRI PRII FOR CT USE - - 156016 CSA RW90 TC 90C DRY 90C WET 1000V PRI PRII SR -40C FT1 FT4/IEEE 1202

INDENT PRINT: P-07-KA100013-MSHA
(all sizes)

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -40°C to 90°C Dry, 90°C Wet

ELECTRICAL PROPERTIES:

VOLTAGE RATING: UL 2000V rms, Max, CSA 1000V rms Max

Industry Approvals:

- o ASTM B-8, B-33
- o AAR RP-585
- o UL 44 Type RHH/RHW-2, 2000V, Sunlight Resistant, FOR CT USE (1/0 AWG and larger), PRI, PRII, -40C
- o CSA C22.2 No. 38 RW90, PRI, PRII, 1000V, SR, -40C. C22.2 No. 230 TC (1/0 AWG and Larger)
- o Flame Tests: UL VW-1, CSA 8 AWG - 1 AWG FT1. 1/0 AWG and larger FT1 & FT4/IEEE 1202
- o MSHA (Indent Printed)
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG, kcmil	No. Cond.	Stranding	Insulation Wall, Nom. Inches	mm	Jacket Wall, Nom. Inches	mm	O.D., Nom. Inches	mm	Net Weight Lb./kft.	kg/km	Amps*	Nom. DCR Ω/1M'
167014	8	1	37/24	0.055	1.40	0.030	0.76	0.329	8.36	94	140	80	0.679
167015	6	1	61/24	0.060	1.52	0.030	0.76	0.382	9.70	131	195	105	0.436
167017	4	1	105/24	0.060	1.52	0.030	0.76	0.431	10.95	190	283	140	0.268
167018	3	1	133/24	0.060	1.52	0.030	0.76	0.461	11.71	242	360	165	0.210
167019	2	1	161/24	0.060	1.52	0.030	0.76	0.496	12.60	268	399	190	0.172
167020	1	1	210/24	0.080	2.03	0.045	1.14	0.610	15.49	379	564	220	0.137
167021	1/0	1	266/24	0.080	2.03	0.045	1.14	0.640	16.26	448	667	260	0.109
167022	2/0	1	342/24	0.080	2.03	0.045	1.14	0.678	17.22	543	808	300	0.086
167023	3/0	1	418/24	0.080	2.03	0.045	1.14	0.739	18.77	673	1001	350	0.068
167024	4/0	1	532/24	0.080	2.03	0.045	1.14	0.806	20.47	833	1240	405	0.054
167026	262.6	1	646/24	0.090	2.29	0.065	1.65	0.926	23.52	986	1467	467	0.044
167027	313.3	1	779/24	0.090	2.29	0.065	1.65	0.990	25.15	1158	1723	518	0.037
167029	373.7	1	931/24	0.090	2.29	0.065	1.65	1.043	26.49	1435	2136	588	0.031
167030	444.4	1	1102/24	0.090	2.29	0.065	1.65	1.128	28.65	1686	2509	649	0.026
167031	535.3	1	1330/24	0.090	2.29	0.065	1.65	1.150	29.21	1941	2889	725	0.021
167032	646.4	1	1628/24	0.090	2.29	0.065	1.65	1.272	32.31	2383	3546	814	0.018
167033	777.7	1	1924/24	0.090	2.29	0.065	1.65	1.361	34.57	2816	4191	900	0.015
167036	929.9	1	2317/24	0.090	2.29	0.065	1.65	1.471	37.36	3162	4706	1010	0.012
167035	1111.1	1	2745/24	0.115	2.92	0.095	2.41	1.640	41.66	3845	5721	1100	0.010

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

* Ampacity values based on NEC Table 310.15(B)(17) & CEC Table 12A (8 AWG thru 4/0) 90°C. Larger sizes based on single conductor in free air, 30°C ambient and 90°C conductor temperature.

This product complies with European Directive 2011/65/EU (RoHS-2)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

The jacket is sequentially footmarked.

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