



## Type DEL

### 600-2000V Diesel-Electric Locomotive, Motor Traction and Car Wire

One Copper Conductor/90°C — 110°C Hot Spot Rating



- A Coated Stranded Copper Conductor
- B Separator (sizes 36,700 CM and larger)
- C Insulation - Okonite
- D Jacket - Okolon TS-CPE

#### Insulation

Okonite EPR® is Okonite's trade name for its heat resistant, mechanically rugged ethylene-propylene based insulating compound. The insulation thickness for DEL numbers 002 and 004 is 2/64", for 008 through 016 is 3/64", 018 through 026 is 4/64", 030 through 040 is 5/64", 044 and 048 is 6/64", 050 through 056 is 7/64" and for 058 it is 8/64".

#### Jackets and Finishes

The Okolon® TS-CPE jacket supplied with this cable provides excellent resistance to mechanical abuse, flame, weathering, most oils, acids and alkalis.

#### Applications

Okonite Type DEL, Diesel-Electric Locomotive Traction and Car Wires is designed for use in locomotives and car equipment circuits where reliability is for prime consideration. DEL can also be used in other low voltage applications where flexibility is important. It is suitable for use in wet or dry locations, in conduits, ducts, cable troughs or trays.

#### Specifications

**Conductor:** Coated copper stranded per AREMA Recommended Practice, Section M, RP-588, as applicable and ICEA S-95-658.

**Insulation:** Per AREMA Recommended Practice, Section M, RP-588, as applicable and ICEA S-95-658.

**Jacket:** Per AREMA Recommended Practice, Section M, RP-588, as applicable and ICEA S-95-658.

#### Product Features

- Extreme heat resistance.
- Extra flexible conductor.
- 90°C Continuous Rating, 110°C Hot Spot Rating, 130°C emergency Overload Rating, 300°C Short Circuit Rating.
- Mechanically rugged.
- Exceptional resistance to deformation and cut through at high temperature.
- Excellent flame resistance. Meets both UL vertical and horizontal flame test requirements.
- Resistant to oils, weather and most chemicals and alkalis.
- Stable electrical properties at high temperatures.
- Meets the RHH/RHW requirements of NEC/UL and can be labeled as such on special orders.

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# Product Data Section 7: Sheet 17

Catalog Number	DEL Number	Size AWG or MCM	No. of Strands	Thickness 64ths		Voltage Rating	Approx. O.D. In.	Approx. Wt. Lbs./M'		Ampacity AC or DC		Conduit Size Inches <sup>3</sup>	DC Resis @ 25°C ohms/1000'
				Ins.	Jkt.			Net	Ship	1/C in Air <sup>1</sup>	3-1/C in Duct <sup>2</sup>		
▲ 112-11-1702	002	16	19 X .0117	2	1	600	.16	19	23	24	18	1/2"	4.490
112-11-1704	004	14	19 X .0142	2	1	600	.17	25	28	33	24	1/2"	2.790
112-11-1708	008	14	19 X .0147	3	1	2000	.21	31	35	33	24	1/2"	2.790
112-11-1710	010	12	19 X .0179	3	1	2000	.23	43	44	39	29	1/2"	1.720
▲ 112-11-1714	014	10	27 X .0201	3	1	2000	.26	61	60	57	41	3/4"	1.100
112-11-1716	016	8	37 X .0201	3	1	2000	.28	79	78	74	51	3/4"	0.690
112-11-1718	018	6	61 X .0201	4	2	2000	.41	144	141	101	72	1"	0.440
112-11-1720	020	5	91 X .0201	4	2	2000	.44	182	200	129	89	1 1/4"	0.350
112-11-1722	022	4	105 X .0201	4	2	2000	.46	204	222	142	95	1 1/4"	0.280
112-11-1724	024	3	125 X .0201	4	2	2000	.49	242	241	160	111	1 1/4"	0.220
112-11-1726	026	2	150 X .0201	4	2	2000	.55	285	298	180	124	1 1/2"	0.180
112-11-1730	030	1	225 X .0201	5	3	2000	.69	445	497	233	153	2"	0.140
112-11-1732	032	1/0	275 X .0201	5	3	2000	.72	492	550	268	175	2"	0.110
112-11-1734	034	2/0	325 X .0201	5	3	2000	.76	594	633	297	193	2"	0.090
112-11-1738	038	3/0	450 X .0201	5	3	2000	.86	786	842	367	236	2 1/2"	0.070
112-11-1740	040	4/0	550 X .0201	5	3	2000	.89	926	985	419	268	2 1/2"	0.060
112-11-1744	044	313.1	775 X .0201	6	3	2000	1.06	1289	1371	518	328	3"	0.040
112-11-1748	048	444.4	1100 X .0201	6	3	2000	1.20	1707	1830	653	402	3 1/2"	0.030
112-11-1750	050	535.3	1332 X .0201	7	4	2000	1.35	2141	2263	728	446	4"	0.020
112-11-1752	052	646.4	1600 X .0201	7	4	2000	1.44	2545	2700	813	496	4"	0.018
112-11-1754	054	777.7	1925 X .0201	7	4	2000	1.53	2842	3148	904	546	5"	0.016
112-11-1756	056	929.2	2300 X .0201	7	4	2000	1.62	3516	3560	1002	594	5"	0.013
112-11-1758	058	1111.1	2750 X .0201	8	4	2000	1.79	4208	4072	1119	637	5"	0.011

▲ **Authorized Stock Item** - Available from Customer Service Centers.

**Standard Package** - 1000' Non-Returnable Reel; #16 #8 - 1000' coil in carton; #6 - 500' coil in carton; #5 - #4/0 - 2000' N.R. Reel; #313.1 MCM and Larger - 1000' N.R. Reel

<sup>1</sup> Ampacities based on single insulated conductor in free air, 90°C conductor temperature, 30°C ambient air temperature per NEC Table 310.17.

<sup>2</sup> Ampacities based on three (3) insulated conductors in a single enclosed or exposed conduit with 90°C conductor temperature and 30°C ambient air temperature per NEC Table 310.16. For other ambient temperatures refer to NEC Table 310.15(B)(1).

<sup>3</sup> Based on three (3) conductors in conduit with a fill of 40% or less.