

**Exane® -1069A/1093**  
**125°C\* Locomotive Wire**

600 Volt and 2000 Volt  
 AAR S-501/RP-585  
 (XLPO)

Spec. DAA1069A/1093

### Scope

Exane® -1069A/1093 single conductor 600 and 2000 volt cable is an extremely tough construction ideally suited for use in rugged diesel electric locomotive applications. The insulation has outstanding resistance to abrasion, cut-through, low and high temperatures, petrochemical fluids, sunlight, and moisture.

The material also has excellent flame retardance, acid gas, and electrical characteristics. Due to Exane's 125°C temperature rating, ampacity levels are higher. This leads to important benefits regarding size, weight, and ease of installation, for use in locomotive, transit, motor lead and other industrial applications.

### Features

- Wide temperature range -55°C to 125°C\*
- Thermoset Insulation
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Excellent fluid/oil resistance
- Moisture and sunlight resistant

### Performance Standards

- AAR S-501
- AAR RP-585
- ICEA S-66-524 (5-95-658)
- Passes UL VW-1 flame test
- Passes IEEE-383 1974 vertical tray flame test
- Meets requirements of 49 CFR Part 238 for flame and smoke requirements
- Meets transit toxicity requirements when tested in accordance with BSS 7239

### Construction

**Conductor:**  
 Annealed, Tinned copper per ASTM B33, B172, AAR S-501, and AAR RP-585

**Insulation:**  
 Crosslinked polyolefin, Exane® (colors – as required)

\* Rockbestos-Surprenant rated 125°C, 130°C overload, 250°C short circuit

**Distributed By:**



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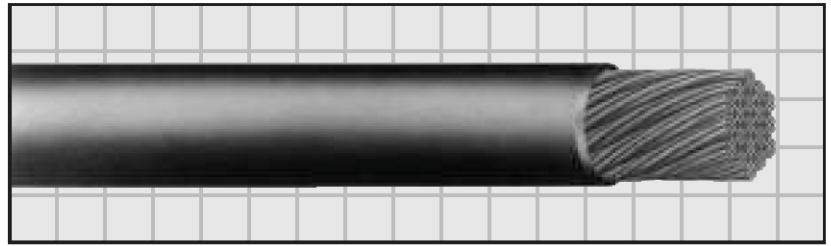
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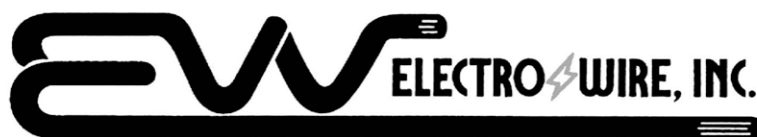
## 600 Volt Class

Product Number	Conductor Size		Insulation Wall		Nom. Diameter		Aprox. Weight		
	(AWG)	Stranding	(mm <sup>2</sup> )	(Inch)	(mm)	(Inch)	(mm)	(#/m')	(kg/km)
LXE-18-600V	18	19/30	.96	.030	.76	0.120	3.05	11	16.4
LXE-16-600V	16	19/29	1.22	.030	.76	0.128	3.25	13	19.3
LXE-14-600V	14	37/29	2.40	.030	.76	0.145	3.68	21	31.3
LXE-12-600V	12	37/27	3.77	.030	.76	0.168	4.27	29	43.2
LXE-10-600V	10	27/24	5.53	.030	.76	0.196	4.98	44	65.5

## 2000 Volt Class

Product Number	Conductor Size		Insulation Wall		Nom. Diameter		Aprox. Weight		
	(AWG)	Stranding	(mm <sup>2</sup> )	(Inch)	(mm)	(Inch)	(mm)	(#/m')	(kg/km)
LXE-18-2KV	18	19/30	.96	.045	1.14	0.150	3.81	15	22.3
LXE-16-2KV	16	19/29	1.22	.045	1.14	0.158	4.01	17	25.3
LXE-14-2KV	14	37/29	2.40	.045	1.14	0.175	4.45	25	37.2
LXE-12-2KV	12	37/27	3.77	.045	1.14	0.198	5.03	34	50.6
LXE-10-2KV	10	27/24	5.53	.045	1.14	0.228	5.79	51	75.9
LXE-8-2KV	8	37/24	7.57	.055	1.40	0.267	6.78	71	105.7
LXE-5-2KV	5	91/24	19	.055	1.40	0.364	9.25	149	221.7
LXE-3-2KV	3	125/24	26	.055	1.40	0.408	10.36	204	303.6
LXE-1-2KV	1	225/24	46	.065	1.65	0.535	13.59	354	526.8
LXE-2/0-2KV	2/0	325/24	66	.065	1.65	0.635	16.13	494	735.1
LXE-4/0-2KV	4/0	550/24	112	.105	2.67	0.845	21.46	851	1266.4
LXE-313-2KV	313MCM	775/24	159	.105	2.67	0.960	24.38	1131	1683.0
LXE-444-2KV	444MCM	1100/24	225	.105	2.67	1.105	28.07	1607	2391.4
LXE-535-2KV	535MCM	1325/24	271	.125	3.18	1.245	31.62	2000	2976.2
LXE-592-2KV	597MCM	1480/24	303	.125	3.18	1.280	32.51	2200	3273.8

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