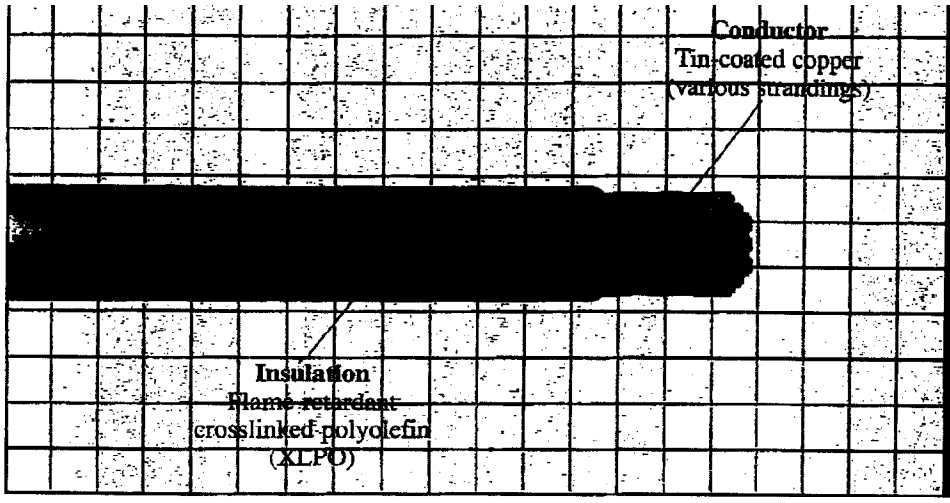


Exane® -1069A

125 C* Locomotive Wire

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

Spec: DAA1069A

Scope

Exane® Diesel Cable is a tough, flame resistant construction ideally suited for rugged, railroad diesel electric locomotive applications. It has a high temperature rating yet will not crack at temperatures down to -55°C. Exane® Diesel Locomotive Cable has much better resistance to cut-through, crush, and scrape abrasion than rubber, EPR, neoprene and hypalon. It is also more flexible and has better overload characteristics than fluoropolymers. Exane® has good moisture and oil resistance, excellent fire resistance, low smoke and acid gas generation characteristics, and resists stress cracking.

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
- Passes UL VW-1 flame test
- Passes IEEE-383 vertical tray flame test

Construction

Conductor:
Annealed, Tinned copper per ASTM B33, B8 and B172

Insulation:
Crosslinked polyolefin
(colors – as required)

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

Used in Klixon's on Magnet System

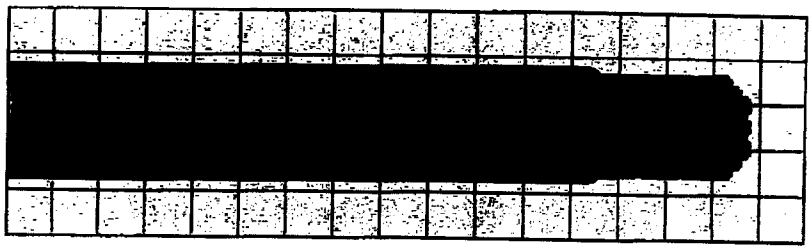
Electrowire Inc.
18AWG Suprenanant Exane
Irradiated Cross Polyolefin
Insulation

678-247-1470
Katie

Exane®-1069A
125°C Locomotive Wire

600 Volt and 2000 Volt
AAR S-501/RP-585

Spec. DAA1069A



600 Volt Class

Product Number	Conductor Size (AWG)	Stranding	(mm²)	Insulation Wall (Inch)	(mm²)	Nom. Diameter (Inch)	(mm²)	Aprox. Weight (#/m³)	(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 (AWG)	Stranding	(mm²)	Insulation Wall (Inch)	(mm²)	Nom. Diameter (Inch)	(mm²)	Aprox. Weight (#/m³)	(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	570/24	117	.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

1. The Exane* insulation family has outstanding mechanical and electrical, long-term moisture, and heat aging characteristics. See the above specification for details.

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