

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

- Meets AAR RP-585/S-501
- Insulation IAW ICEA S-66-524 (S-95-658)
- Passes NFPA 130-2010, 2014, 2017, 2020
- Meet the requirements of UL 1685 (FT4/IEEE 1202 flame with smoke measurement)
- Meet the requirements of 49 CFR Part 238 for flame (ICEA S-19-81) and smoke requirements (ASTM E662)
- Meet the transit toxicity requirements when tested in accordance with BSS 7239
- Passes UL VW-1 flame test,
- Passes IEEE-383 1974 vertical tray flame test

Construction

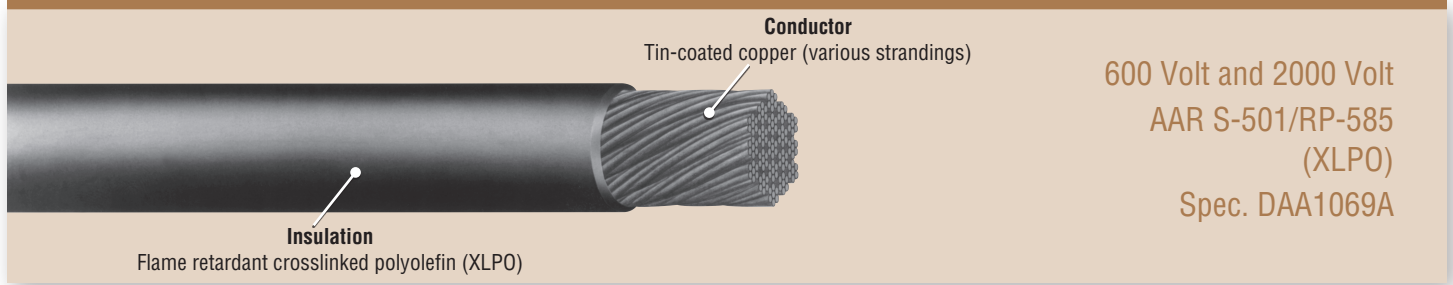
Conductor: Annealed, Tinned copper per ASTM B33, B172, AAR S-501, and AAR RP-585

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

*RSCC rated 125°C , maximum 130°C overload, 250°C short circuit

Scope

Exane®-1069A Diesel Cable is a tough, flame retardant 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 and conduits. RHW-2 walls meet UL requirements and provide enhanced mechanical toughness.



600 Volt Class

Product Number	Conductor Size (AWG)	Stranding	Max. Cond. Diameter		Insulation Wall		Nom. Diameter		Ampacity* @125°C	Aprox. Weight	
			(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)		(#/m')	(kg/km)
LXE-18-600V	18	19/30	0.049	1.24	.030	.76	0.109	2.76	19	11	16.4
LXE-16-600V	16	19/29	0.055	1.40	.030	.76	0.116	2.94	25	13	19.3
LXE-14-600V	14	37/29	0.076	1.93	.030	.76	0.137	3.47	42	21	31.3
LXE-12-600V	12	37/27	0.099	2.51	.030	.76	0.157	3.98	55	29	43.2
LXE-10-600V	10	27/24	0.118	3.00	.030	.76	0.178	4.52	72	44	65.5
LXE-8-600V	8	37/24	0.140	3.56	0.45	1.14	0.232	5.89	97	64	95

2000 Volt Class

Product Number	Conductor Size (AWG)	Stranding	Max. Cond. Diameter		Insulation Wall		Nom. Diameter		Ampacity* @125°C	Aprox. Weight	
			(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)		(#/m')	(kg/km)
LXE-18-2KV	18	19/30	0.049	1.24	.045	1.14	0.139	3.53	19	15	22.3
LXE-16-2KV	16	19/29	0.055	1.40	.045	1.14	0.144	3.65	25	17	25.3
LXE-14-2KV	14	37/29	0.076	1.93	.045	1.14	0.164	4.16	42	25	37.2
LXE-12-2KV	12	37/27	0.099	2.51	.045	1.14	0.187	4.75	55	34	50.6
LXE-10-2KV	10	27/24	0.118	3.00	.045	1.14	0.208	5.28	72	51	75.9
LXE-8-2KV	8	37/24	0.140	3.56	.055	1.40	0.252	6.40	97	71	105.7
LXE-6-2KV	6	61/24	0.190	4.83	.055	1.40	0.300	7.62	131	108	161.0
LXE-5-2KV	5	91/24	0.244	6.20	.055	1.40	0.354	8.99	156	149	221.7
LXE-4-2KV	4	105/24	0.264	6.71	.055	1.40	0.376	9.55	172	177	263.9
LXE-3-2KV	3	125/24	0.290	7.36	.055	1.40	0.401	10.18	194	204	303.6
LXE-2-2KV	2	150/24	0.325	8.26	.055	1.40	0.431	10.95	232	240	357.8
LXE-1-2KV	1	225/24	0.390	9.91	.065	1.65	0.522	13.25	266	354	526.8
LXE-1/0-2KV	1/0	275/24	0.435	11.04	.065	1.65	0.563	14.3	309	431	642.6
LXE-2/0-2KV	2/0	325/24	0.445	11.30	.065	1.65	0.578	14.68	355	494	735.1
LXE-3/0-2KV	3/0	450/24	0.555	14.10	.065	1.65	0.683	17.35	410	673	1003.4
LXE-4/0-2KV	4/0	550/24	0.575	14.61	.105	2.67	0.792	20.11	481	851	1266.4
LXE-313-2KV	313MCM	775/24	0.700	17.78	.105	2.67	0.917	23.29	637	1131	1683.0
LXE-444-2KV	444MCM	1100/24	0.830	21.08	.105	2.67	1.042	26.46	792	1607	2391.4
LXE-535-2KV	535MCM	1325/24	0.905	22.99	.120	3.18	1.149	29.18	893	2000	2976.2
LXE-592-2KV	597MCM	1480/24	0.985	25.01	.125	3.18	1.234	31.34	928	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 detail

* These ampacities are based on single conductors in air with an ambient of 40°C and conductor temperature of 125°C.