

Features

- Wide temperature range – 45°C to 125°C*
- Thermoset Insulation
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Excellent fluid/oil resistance
- Moisture and sunlight resistant
- Low Smoke
- Zero Halogen

Performance Standards

- 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
- RoHS Compliant
- Satisfies the requirements of BS6853 Vehicle Category 1a

Construction

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

Insulation: Crosslinked low smoke halogen free polymer (colors – as required)

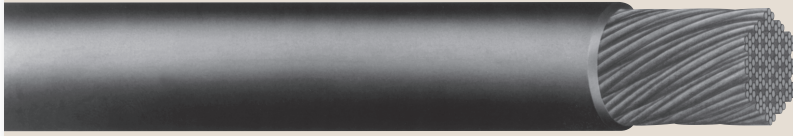
*RSCC Wire & Cable LLC rated 125°C, 130°C overload, 250°C short circuit

Scope

Exane[®]-ZH, Low Smoke Zero Halogen transit wire is a tough, highly flame retardant construction ideally suited for use in rugged locomotive and transportation industry applications. It has excellent electrical characteristics combined with superior mechanical, heat, moisture, oil, chemical and abrasion properties. This wire should be considered for applications where flame resistance and low levels of off gassing and toxic fumes are required.

Exane® ZH-1105A

125°C Transit Wire



Low Smoke Zero Halogen
2000 Volt
Spec. DAA1105A

Product Number	Conductor Size (AWG)	Stranding	(mm ²)	Insulation Wall		Nom. Diameter		Aprox. Weight	
				(Inch)	(mm)	(Inch)	(mm)	(#/m')	(kg/km)
ZLXE-18-2KV	18	19/30	.96	.045	1.14	0.137	3.48	15	22
ZLXE-16-2KV	16	19/29	1.22	.045	1.14	0.144	3.66	17	25
ZLXE-14-2KV	14	19/27	1.94	.045	1.14	0.157	3.99	23	34
ZLXE-12-2KV	12	19/25	3.08	.045	1.14	0.176	4.47	32	48
ZLXE-10-2KV	10	27/24	5.53	.045	1.14	0.213	5.41	51	76
ZLXE-8-2KV	8	37/24	7.57	.055	1.40	0.251	6.37	71	106
ZLXE-6-2KV	6	61/24	12.5	.055	1.40	0.300	7.62	108	161
ZLXE-5-2KV	5	91/24	19	.055	1.40	0.350	8.89	157	235
ZLXE-4-2KV	4	105/24	21	.055	1.40	0.370	9.40	178	267
ZLXE-3-2KV	3	125/24	26	.055	1.40	0.395	10.0	204	303
ZLXE-2-2KV	2	150/24	31	.055	1.40	0.430	10.9	242	360
ZLXE-1-2KV	1	225/24	46	.065	1.65	0.515	13.1	354	527
ZLXE-1/0-2KV	1/0	275/24	56	.065	1.65	0.565	14.3	424	631
ZLXE-2/0-2KV	2/0	325/24	66	.065	1.65	0.610	15.49	494	735
ZLXE-3/0-2KV	3/0	450/24	92	.065	1.65	0.680	17	668	994
ZLXE-4/0-2KV	4/0	550/24	112	.065	1.65	0.740	19	805	1208
ZLXE-262-2KV	262MCM	650/24	133	.075	1.90	0.802	20	949	1424
ZLXE-313-2KV	313MCM	775/24	159	.075	1.90	0.870	22	1117	1676
ZLXE-373-2KV	373MCM	925/24	189	.075	1.90	0.920	23	1320	1980
ZLXE-444-2KV	444MCM	1100/24	225	.075	1.90	1.000	25	1572	2358
ZLXE-597-2KV	597MCM	1480/24	303	.090	2.29	1.155	29	2073	3110
ZLXE-646-2KV	646MCM	1600/24	327	.090	2.29	1.235	31	2270	3405

The Exane® insulation family has outstanding mechanical and electrical test characteristics. It also has excellent long-term moisture resistance and heat aging characteristics. See the above specification for details.



Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company