

Scope

Exane®-1068A transit wire is a tough, flame retardant construction ideally suited for rugged transportation industry applications. It has a high temperature rating yet will not crack at temperatures down to -55°C . Exane® transit wire 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® transit wire has good moisture and oil resistance, excellent fire resistance, and low smoke and acid gas generation characteristics.

Features

- Wide temperature range -55°C to 110°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

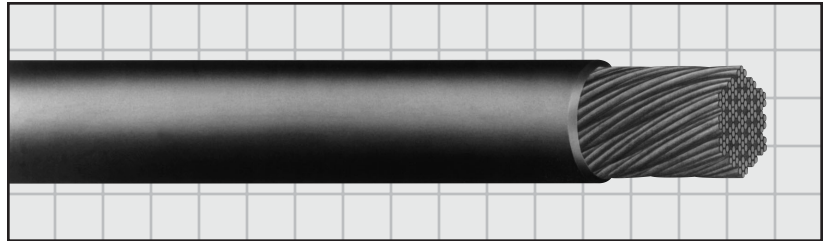
Conductor:
Annealed, Tinned copper per ASTM B33, B172, AAR S-501, and AAR RP-585

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

* Rockbestos-Surprenant rated 110°C , 130°C overload, 250°C short circuit

Exane[®]-1068A 110°C Transit Wire

2000 Volt
AAR S-501/RP-585



Spec. DAA1068A

Product Number	Conductor Size		Insulation Wall		Nom. Diameter		Ampacity* @ 110°C	Aprox. Weight		
	(AWG)	Stranding	(mm ²)	(Inch)	(mm)	(Inch)		(mm)	(#/m')	(kg/km)
TXE-18-2KV	18	19/30	.96	.045	1.14	0.137	3.48	30	15	22
TXE-16-2KV	16	19/29	1.22	.045	1.14	0.144	3.66	35	17	25
TXE-14-2KV	14	19/27	1.94	.045	1.14	0.157	3.99	41	23	34
TXE-12-2KV	12	19/25	3.08	.045	1.14	0.176	4.47	52	32	48
TXE-10-2KV	10	27/24	5.53	.045	1.14	0.213	5.41	73	51	76
TXE-8-2KV	8	37/24	7.57	.055	1.40	0.251	6.37	85	71	106
TXE-6-2KV	6	61/24	12.5	.055	1.40	0.300	7.62	120	108	161
TXE-5-2KV	5	91/24	19	.055	1.40	0.350	8.89	160	157	235
TXE-4-2KV	4	105/24	21	.055	1.40	0.370	9.40	168	178	267
TXE-3-2KV	3	125/24	26	.055	1.40	0.395	10.0	199	204	303
TXE-2-2KV	2	150/24	31	.055	1.40	0.430	10.9	214	242	360
TXE-1-2KV	1	225/24	46	.065	1.65	0.515	13.1	268	354	527
TXE-1/0-2KV	1/0	275/24	56	.065	1.65	0.565	14.3	304	424	631
TXE-2/0-2KV	2/0	325/24	66	.065	1.65	0.610	15.49	338	494	735
TXE-3/0-2KV	3/0	450/24	92	.065	1.65	0.680	17	414	668	994
TXE-4/0-2KV	4/0	550/24	112	.065	1.65	0.740	19	472	805	1208
TXE-262-2KV	262MCM	650/24	133	.075	1.90	0.802	20	524	949	1424
TXE-313-2KV	313MCM	775/24	159	.075	1.90	0.870	22	590	1117	1676
TXE-373-2KV	373MCM	925/24	189	.075	1.90	0.920	23	657	1320	1980
TXE-444-2KV	444MCM	1100/24	225	.075	1.90	1.000	25	734	1572	2358
TXE-535-2KV	535MCM	1325/24	271	.090	2.29	1.120	28	828	1950	2925
TXE-646-2KV	646MCM	1600/24	327	.090	2.29	1.235	31	931	2270	3405
TXE-777-2KV	777MCM	1925/24	394	.090	2.29	1.300	33	1047	2690	4035
TXE-1111-2KV	1111MCM	2750/24	563	.120	3.05	1.580	40	1254	3810	5715

1. 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.
2. Normal stock color is dark grey. Striping is also available.

* These ampacities are based on single conductors in air with an ambient of 40°C and conductor temperature of 110°C.