



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

- Meets AAR RP-585/S-501
- Insulation IAW ICEA S-66-524 (S-95-658)
- Passes NFPA 130-2014
- Meet the requirements of UL 1685 (FT4/IEEE 1202 with smoke measurement)
- Meet the requirements of 49 CFR Part 238 for flame and smoke requirements (ICEA S-19-81)
- Meet the requirements of ASTM E662 in flaming and non-flaming modes
- 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 110°C , 130°C overload, 250°C short circuit

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.

Exane[®]-1068A Transit Wire



110°C* Transit Wire
2000 Volt
AAR S-501/RP-585
(XLPO)
Spec. DAA1068A

Product Number	Conductor Size		Insulation Wall		Nom. Diameter		Ampacity* @110°C	Approx. Weight	
	(AWG)	Stranding	(Inch)	(mm)	(Inch)	(mm)		(lbs/1000 ft)	(kg/km)
TXE-18-2KV	18	19/30	0.045	1.14	0.139	3.53	18	15	22.4
TXE-16-2KV	16	19/29	0.045	1.14	0.146	3.71	24	17	25.3
TXE-14-2KV	14	19/27	0.045	1.14	0.159	4.04	39	22	32.8
TXE-12-2KV	12	19/25	0.045	1.14	0.177	4.50	51	31	46.2
TXE-10-2KV	10	27/24	0.045	1.14	0.208	5.28	67	50	74.5
TXE-8-2KV	8	37/24	0.055	1.40	0.252	6.40	85	69	102.9
TXE-6-2KV	6	61/24	0.055	1.40	0.304	7.72	120	108	161.0
TXE-5-2KV	5	91/24	0.055	1.40	0.354	8.99	145	155	231.1
TXE-4-2KV	4	105/24	0.055	1.40	0.376	9.55	160	177	263.9
TXE-3-2KV	3	125/24	0.055	1.40	0.401	10.19	180	202	301.2
TXE-2-2KV	2	150/24	0.055	1.40	0.431	10.95	214	240	357.8
TXE-1-2KV	1	225/24	0.065	1.65	0.523	13.28	247	359	535.2
TXE-1/0-2KV	1/0	275/24	0.065	1.65	0.563	14.30	286	431	642.6
TXE-2/0-2KV	2/0	325/24	0.065	1.65	0.585	14.86	329	478	712.7
TXE-3/0-2KV	3/0	450/24	0.065	1.65	0.683	17.35	380	673	1003.4
TXE-4/0-2KV	4/0	550/24	0.065	1.65	0.708	17.98	446	786	1171.9
TXE-262-2KV	262	650/24	0.075	1.90	0.785	19.94	524	920	1371.6
TXE-313-2KV	313	775/24	0.075	1.90	0.853	21.67	590	1090	1625.1
TXE-373-2KV	373	925/24	0.075	1.90	0.908	23.06	657	1285	1915.8
TXE-444-2KV	444	1100/24	0.075	1.90	0.978	24.84	734	1520	2266.2
TXE-535-2KV	535	1325/24	0.090	2.29	1.085	27.56	828	1850	2758.2
TXE-646-2KV	646	1600/24	0.090	2.29	1.23	31.24	931	2250	3354.5
TXE-777-2KV	777	1925/24	0.090	2.29	1.3	33.02	1047	2655	3958.4
TXE-1111-2KV	1111	2750/24	0.120	3.05	1.58	40.13	1254	3810	5680.4

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.



Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company