



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
- Meets 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)

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.



A Genuine Cable Group Company



CHICAGO

933 E. Remington Rd
Schaumburg, IL 60173
847.944.1500

BOSTON

100 Jytek Drive
Leominster, MA 01453
978.534.5300

ATLANTA

5940 Cabot Parkway
Alpharetta, GA 30005
678.297.1080

PHOENIX

1524 W 14th St
Tempe, AZ 85281
623.478.8700

Exane[®]-1068A Transit Wire



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

Product Number	Conductor Size (AWG)	Stranding	Insulation Wall (Inch) (mm)		Nom. Diameter (Inch) (mm)		Ampacity* @110°C	Aprox. Weight (lbs/1000 ft) (kg/km)	
TXE-18-600V	18	19/30	0.030	0.76	0.109	2.77	18	10.6	15.8
TXE-16-600V	16	19/29	0.030	0.76	0.116	2.95	24	12.6	18.8
TXE-14-600V	14	19/27	0.030	0.76	0.129	3.28	39	17.8	26.5
TXE-12-600V	12	19/25	0.030	0.76	0.147	3.73	51	26	38.8
TXE-10-600V	10	27/24	0.030	0.76	0.178	4.52	67	43.5	64.9
TXE-8-600V	8	37/24	0.045	1.14	0.232	5.89	85	63.7	95.0
TXE-6-600V	6	61/24	0.045	1.14	0.284	7.21	120	102	152.1
TXE-5-600V	5	91/24	0.045	1.14	0.33	8.38	145	152.1	226.8
TXE-4-600V	4	105/24	0.045	1.14	0.356	9.04	160	169.3	252.4
TXE-3-600V	3	125/24	0.045	1.14	0.381	9.68	180	193.7	288.8
TXE-2-600V	2	150/24	0.045	1.14	0.411	10.44	214	230.8	344.1
TXE-1-600V	1	225/24	0.055	1.40	0.501	12.73	247	347.7	518.4
TXE-1/0-600V	1/0	275/24	0.055	1.40	0.541	13.74	286	418.1	623.3
TXE-2/0-600V	2/0	325/24	0.055	1.40	0.556	14.12	329	461.5	688.1
TXE-3/0-600V	3/0	450/24	0.055	1.40	0.661	16.79	380	658	981.0
TXE-4/0-600V	4/0	550/24	0.055	1.40	0.686	17.42	446	762	1136.1
TXE-262-600V	262	650/24	0.065	1.65	0.765	19.43	524	904	1347.8
TXE-313-600V	313	775/24	0.065	1.65	0.833	21.16	590	1070	1595.3
TXE-373-600V	373	925/24	0.065	1.65	0.886	22.50	657	1264	1884.5
TXE-444-600V	444	1100/24	0.065	1.65	0.95	24.13	734	1494	2227.4
TXE-535-600V	535	1325/24	0.080	2.03	1.06	26.92	828	1811	2700.0
TXE-646-600V	646	1600/24	0.080	2.03	1.152	29.26	931	2164	3226.3
TXE-777-600V	777	1925/24	0.080	2.03	1.235	31.37	1047	2592	3864.4
TXE-1111-600V	1111	2750/24	0.095	2.41	1.53	38.86	1254	3781	5637.1

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.



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For sales inquiries: sales@electrowire.com