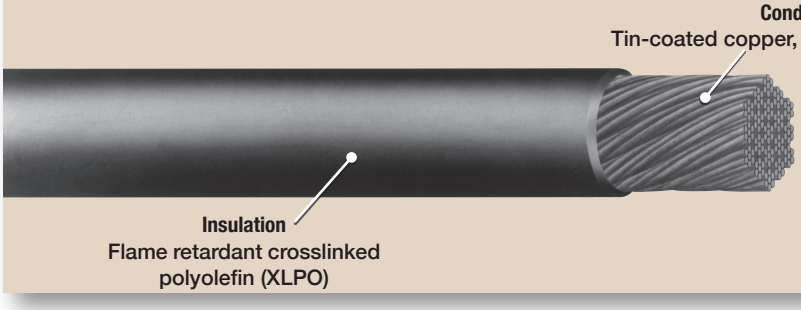
Exane®-1068A
Transit Wire



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

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
- REACH and RoHS compliant

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 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
- Meet APTA PR-E-RP-009-98 2021 Publication

Construction

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

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

*RSCC rated 110°C, 130°C overload, 250°C short circuit

Marmon Electrical
A Berkshire Hathaway Company

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ET02/02.23.2022

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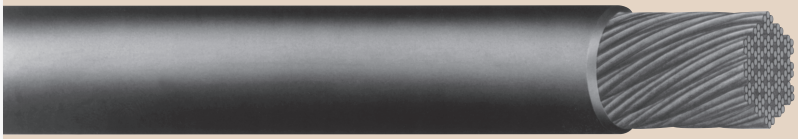

110°C* Transit Wire
2000 Volt
AAR S-501/RP-585
(XLPO)
Spec. DAA1068A

Product Description	RSCC Dark Gray Part Number	Cond. Size (AWG)	Stranding	Max. Cond. Diameter		Insulation Wall		Nom. Diameter		Ampacity* @110°C	Aprox. Weight	
				(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)		(lbs/1000 ft)	(kg/km)
TXE-18-2000V	EC01018-016	18	19/30	.049	1.24	0.045	1.14	0.139	3.53	18	15	22.4
TXE-16-2000V	EC01016-025	16	19/29	.055	1.40	0.045	1.14	0.146	3.71	24	17	25.3
TXE-14-2000V	EC01014-011	14	19/27	.068	1.73	0.045	1.14	0.159	4.04	39	22	32.8
TXE-12-2000V	EC01012-025	12	19/25	.086	2.18	0.045	1.14	0.177	4.50	51	31	46.2
TXE-10-2000V	EC01010-009	10	27/24	.118	3.00	0.045	1.14	0.208	5.28	67	50	74.5
TXE-8-2000V	EC01008-008	8	37/24	.140	3.56	0.055	1.40	0.252	6.40	85	69	102.9
TXE-6-2000V	EC01006-011	6	61/24	.190	4.83	0.055	1.40	0.300	7.62	120	108	161.0
TXE-5-2000V	EC01005-002	5	91/24	.244	6.20	0.055	1.40	0.354	8.99	145	155	231.1
TXE-4-2000V	EC01004-010	4	105/24	.264	6.71	0.055	1.40	0.376	9.55	160	177	263.9
TXE-3-2000V	EC01003-003	3	125/24	.288	7.31	0.055	1.40	0.396	10.05	180	202	301.2
TXE-2-2000V	EC01002-007	2	150/24	.325	8.26	0.055	1.40	0.431	10.95	214	240	357.8
TXE-1-2000V	EC01001-008	1	225/24	.390	9.91	0.065	1.65	0.523	13.28	247	359	535.2
TXE-1/0-2000V	EC011X0-011	1/0	275/24	.435	11.04	0.065	1.65	0.563	14.30	286	431	642.6
TXE-2/0-2000V	EC012X0-013	2/0	325/24	.445	11.30	0.065	1.65	0.585	14.86	329	478	712.7
TXE-3/0-2000V	EC013X0-009	3/0	450/24	.555	14.10	0.065	1.65	0.683	17.35	380	673	1003.4
TXE-4/0-2000V	EC014X0-013	4/0	550/24	.575	14.61	0.065	1.65	0.708	17.98	446	786	1171.9
TXE-262-2000V	EC01262-001	262	650/24	.632	16.05	0.075	1.90	0.785	19.94	524	920	1371.6
TXE-313-2000V	EC01313-001	313	775/24	.700	17.78	0.075	1.90	0.853	21.67	590	1090	1625.1
TXE-373-2000V	EC01373-001	373	925/24	.758	19.25	0.075	1.90	0.908	23.06	657	1285	1915.8
TXE-444-2000V	EC01444-007	444	1100/24	.830	21.08	0.075	1.90	0.978	24.84	734	1520	2266.2
TXE-535-2000V	EC01535-001	535	1325/24	.905	22.99	0.090	2.29	1.085	27.56	828	1850	2758.2
TXE-646-2000V	EC01646-009	646	1600/24	1.002	25.45	0.090	2.29	1.17	29.75	931	2148	3196.0
TXE-777-2000V	EC01777-009	777	1925/24	1.080	27.43	0.090	2.29	1.25	31.86	1047	2571	3826.0
TXE-1111-2000V	EC01999-001	1111	2750/24	1.350	34.29	0.120	3.05	1.57	39.90	1254	3778	5622.0

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.
3. Contact RSCC for other colors (not dark gray) part numbers.

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

RSCC® World Class Engineered Cable

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