

Scope

Exane®-1068A People Mover power cable is a tough, flame retardant thermoset construction ideally suited for the rugged People Mover guideway applications. It has a high temperature rating yet will not crack at temperatures down to -55°C. Exane People Mover cable has much better resistance to mechanical dam-

age such as cut-through, crush and scrape abrasion than typical EPR/CSPE designs. It is also flexible, has good moisture and oil resistance, is low smoke and acid gas generating and has excellent flame resistance and overload characteristics. It may be installed in trays, ducts, conduits or directly buried.

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

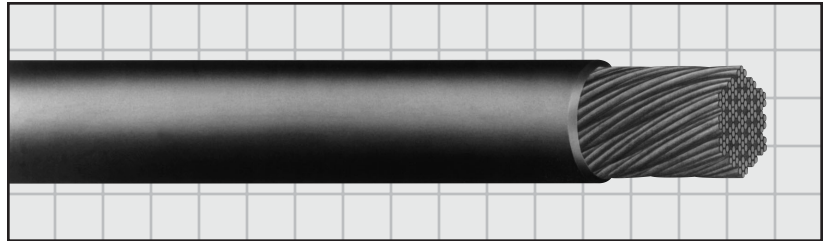
Insulation:

Crosslinked polyolefin, Exane® (colors – as required)

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

Exane®-1068A 110°C People Mover Power Cable

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.