

Features

- Wide insulated conductor temperature range -40°C to 125°C
- Light weight
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Low smoke
- Excellent fluid/oil resistance
- Moisture and sunlight resistant
- REACH and RoHS compliant

Performance Standards

- Meets all requirements of RSCC Spec. DAC 1168B
- Passes the spread of fire and smoke emission in accordance with NFPA 130-2014 article 8.6.7.11 FT4/IEEE1202 with smoke per UL 1685
- Single conductors pass UL VW-1 flame test

Construction

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

Insulation: Exane[®] 15 crosslinked polyolefin with crosslinked modified fluoropolymer jacket

Color Code: As specified by customer

Fillers: When required, flame retardant and non-hygroscopic

Binder Tape: Non-hygroscopic and non-wicking

Shield: Tin copper braid or as specified by customer

Jacket: Exane[®] crosslinked polyolefin

Scope

Exane[®]-15 reduced diameter multiconductor transit cable is ideally suited to operate in the confined spaces of today's transit vehicles. They are designed to operate inside equipment, in trays, conduit, raceways and other areas of the vehicle where space is limited. These cables have excellent flexibility, flame, crush, oil and moisture resistance. They are available in both unshielded and shielded constructions.

* Rated 125°C, 130°C overload, 250°C short circuit

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

Exane[®]-15

Multiconductor Transit Cable

Product Number	Number of Conductors	AWG	(mm ²)	Stranding	Insulated Conductor OD (Inch)	Jacket Thickness (Inch)	Cable OD (Inch)	Weight LBS/M'	Technical Drawings
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Exane[®] 15: Two Conductor Cable Unshielded

RTXE 2/C 22	2	22	.38	19/34	0.060	0.020	0.175	17.0	TD-010768
RTXE 2/C 20	2	20	.62	19/32	0.068	0.020	0.180	21.0	TD-010769
RTXE 2/C 18	2	18	.96	19/30	0.077	0.020	0.198	23.8	TD-005646
RTXE 2/C 16	2	16	1.23	19/29	0.084	0.020	0.212	28.3	TD-004180
RTXE 2/C 14	2	14	1.94	19/27	0.097	0.020	0.238	39.1	TD-010452
RTXE 2/C 12	2	12	3.08	19/25	0.115	0.020	0.276	56.1	TD-010611
RTXE 2/C 10	2	10	4.74	27/24	0.151	0.020	0.347	105.0	TD-010770

Exane[®] 15: Two Conductor Cable Shielded with Tinned Copper Braid Shield

RTXE 2/C 22S	2	22	.38	19/34	0.060	0.020	0.190	16.0	TD-008444
RTXE 2/C 20S	2	20	.62	19/32	0.068	0.020	0.201	30.1	TD-004507
RTXE 2/C 18S	2	18	.96	19/30	0.077	0.020	0.220	36.4	TD-003551
RTXE 2/C 16S	2	16	1.23	19/29	0.084	0.020	0.234	41.4	TD-004846
RTXE 2/C 14S	2	14	1.94	19/27	0.097	0.020	0.262	54.7	TD-006931
RTXE 2/C 12S	2	12	3.08	19/25	0.115	0.020	0.298	73.5	TD-010619
RTXE 2/C 10S	2	10	4.74	27/24	0.151	0.020	0.369	127.0	TD-010771

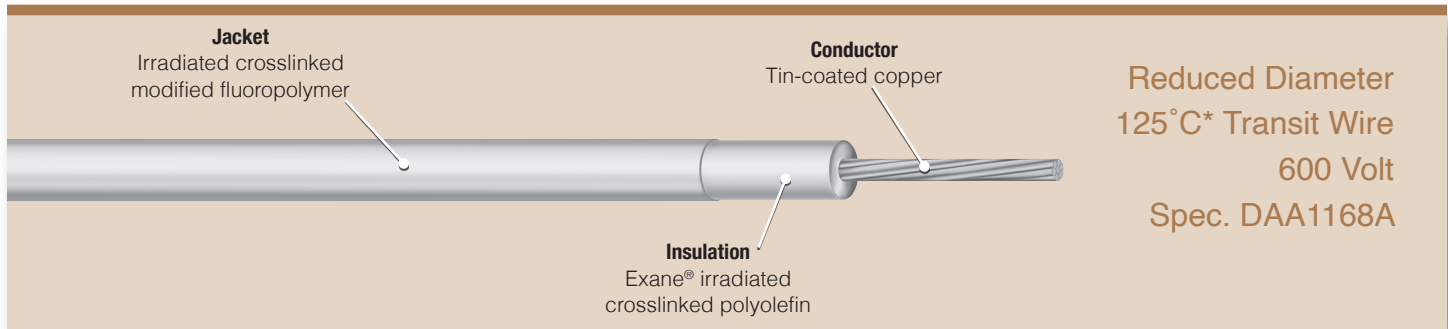
Exane[®] 15: Three Conductor Cable Unshielded

RTXE 3/C 22	3	22	.38	19/34	0.060	0.020	0.177	19.1	
RTXE 3/C 20	3	20	.62	19/32	0.068	0.020	0.194	24.9	TD-005301
RTXE 3/C 18	3	18	.96	19/30	0.077	0.020	0.210	32.1	TD-010232
RTXE 3/C 16	3	16	1.23	19/29	0.084	0.020	0.224	38.6	TD-004181
RTXE 3/C 14	3	14	1.94	19/27	0.097	0.020	0.253	54.4	TD-010618
RTXE 3/C 12	3	12	3.08	19/25	0.115	0.020	0.293	79.1	TD-005141
RTXE 3/C 10	3	10	4.74	27/24	0.151	0.020	0.369	130.0	

Exane[®] 15: Three Conductor Cable Shielded with Tinned Copper Braid Shield

RTXE 3/C 22S	3	22	.38	19/34	0.060	0.020	0.199	19.4	TD-006161
RTXE 3/C 20S	3	20	.62	19/32	0.068	0.020	0.216	37.6	TD-004720
RTXE 3/C 18S	3	18	.96	19/30	0.077	0.020	0.231	46.2	TD-003552
RTXE 3/C 16S	3	16	1.23	19/29	0.084	0.020	0.246	54.0	TD-006143
RTXE 3/C 14S	3	14	1.94	19/27	0.097	0.020	0.274	70.8	
RTXE 3/C 12S	3	12	3.08	19/25	0.115	0.020	0.315	97.7	TD-005231
RTXE 3/C 10S	3	10	4.74	27/24	0.151	0.020	0.391	152.0	

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.



Reduced Diameter
125°C* Transit Wire
600 Volt
Spec. DAA1168A

Features

- Thermoset irradiation insulation system
- Superior mechanical properties
- Flame retardant
- High temperature
- Low smoke
- Light weight
- Excellent fluid, oil, and moisture resistance
- Smaller overall diameter
- REACH and RoHS compliant

Performance Standards

- Meets all requirements of RSCC DAA 1168A
- Temperature rating 125°C
- Low temperature rating -40°C
- Passes UL VW-1 Flame Test and ICEA S-95-658 with less than 3 seconds after burn
- Passes IEEE-383 / FT4 / IEEE 1202 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
- Passes the spread of fire and smoke emission in accordance with NFPA 130-2020 article 8.6.7.1.1 FT4 / IEEE 1202 with smoke per UL 1685
- Meets transit smoke requirements when tested in accordance with ASTM E662
- Meets NYCT TX-TW Issue 1

Construction

Conductors: Tin coated copper per ASTM B33, B172, AAR S-501, and AAR RP-585

Insulation: Exane® crosslinked polyolefin

Jacket: Crosslinked modified fluoropolymer

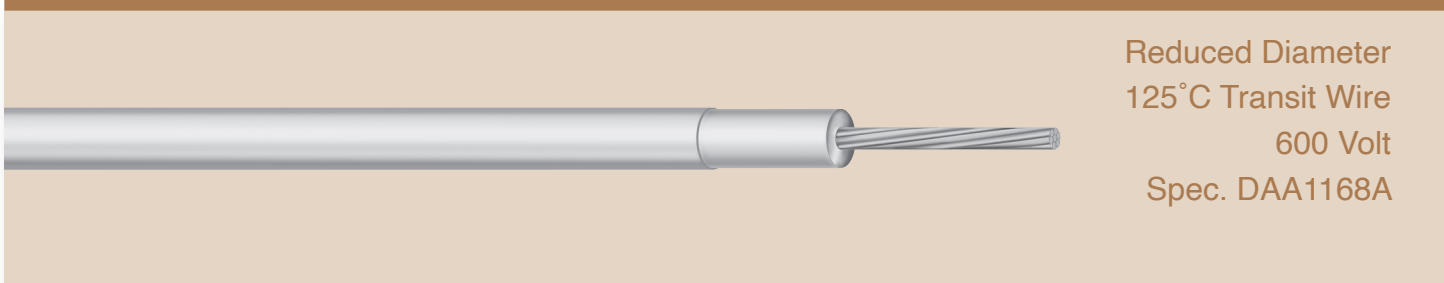
Scope

This dual layer, high temperature irradiated cross-linked transit wire utilizes the proven Exane® insulation and offers outstanding performance that makes it suitable for many applications where high density cabling and harnessing are required. Besides offering size and weight advantages, these wires have excellent resistance to flame, cut through, abrasion, cold flow, shrink back, notch propagation, and common chemicals. In addition, they strip and stripe easily, may be potted, and have low smoke characteristics. This wire should be considered for transit vehicle interior electronics equipment and other applications.

*Rated 125°C, 130°C overload, 250°C short circuit

Exane[®]-15

Reduced Diameter Transit Wire



Reduced Diameter
125°C Transit Wire
600 Volt
Spec. DAA1168A

Exane[®] 15: Single Conductor

Product Description	Dark Gray Part Number*	Conductor Size (AWG)	(mm ²)	Stranding	Nom. Conductor Diameter (Inch)	Insulation Thickness (Inch)	Nominal OD (Inch)	Weight LBS/M'
RTXE 22-600V	EF01022-001	22	.38	19/34	0.030	0.015	0.060	3.7
RTXE 20-600V	EF01020-002	20	.62	19/32	0.038	0.015	0.068	5.4
RTXE 18-600V	EF01018-000	18	.96	19/30	0.047	0.015	0.077	7.7
RTXE 16-600V	EF01016-001	16	1.23	19/29	0.054	0.015	0.084	9.6
RTXE 14-600V	EF01014-001	14	1.94	19/27	0.067	0.015	0.097	14.3
RTXE 12-600V	EF01012-001	12	3.08	19/25	0.085	0.015	0.115	22.2
RTXE 10-600V	EF01010-001	10	4.74	27/24	0.116	0.015	0.151	39.3

Contact us for other colors (not dark gray) part number

*The catalog part numbers are for Dark Gray insulation. Please see color chart below.

0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8L	Light Gray
9	White

For Example: 1/C 16 AWG Red part number is RTXE-16-600V-2