

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

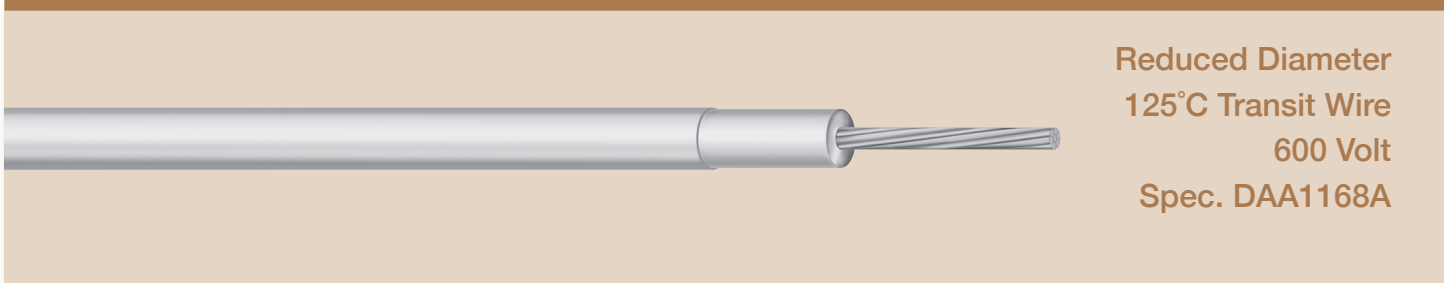
* RSCC rated 125°C, 130°C overload, 250°C short circuit

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.

Exane[®]-15

Reduced Diameter Transit Wire



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

Exane[®] 15: Single Conductor

Product Description	RSCC 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 RSCC 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



Marmon Electrical
A Berkshire Hathaway Company