

Exane®-15

Reduced Diameter
125°C Transit Wire

600 Volt

Spec. DAA1168A

Scope

This dual layer, high temperature 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.

Features

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

Performance Standards

- Meets all requirements of RSCC DAA 1168A
- Temperature rating 125°C
- Low temperature rating -55°C
- 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:

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

Insulation

Exane® crosslinked polyolefin

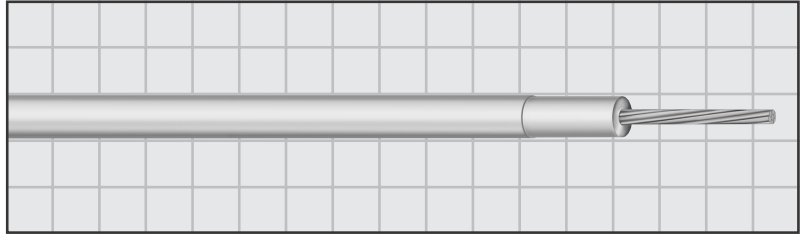
Jacket

Crosslinked modified fluoropolymer

Exane® 15 Reduced Diameter 125°C Transit Wire

600 Volt

Spec. DAA1168A



Exane® 15: Single Conductor

Product Number	Conductor Size (AWG)	(mm ²)	Stranding	Max. Strand Diameter (Inch)	Insulation Thickness (Inch)	Nominal OD. (Inch)	Weight LBS/M'
RTXE-22-600V	22	.38	19/34	0.032	0.015	0.062	4.0
RTXE-20-600V	20	.62	19/32	0.040	0.015	0.070	5.7
→ RTXE-18-600V	18	.96	19/30	0.047	0.015	0.077	7.9
RTXE-16-600V	16	1.23	19/29	0.054	0.015	0.084	9.8
RTXE-14-600V	14	1.94	19/27	0.067	0.015	0.097	14.6
RTXE-12-600V	12	3.08	19/25	0.086	0.015	0.116	22.2
RTXE-10-600V	10	4.74	27/24	0.123	0.015	0.153	38.4