

Features

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

Performance Standards

- Meets all requirements of RSCC DAA 1168A
- Temperature rating 125°C
- Low temperature rating -55°C
- Passes UL VW-1 Flame Test and ICEA S-95-658 with less than 3 seconds after burn
- 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
- Passes the spread of fire and smoke emission in accordance with NFPA 130-2014 article 8.6.7.1.1 FT4/IEEE1202 with smoke per UL 1685
- Meets transit smoke requirements when tested in accordance with ASTM E662

Construction

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

Insulation: Exane[®] crosslinked polyolefin

Jacket: Crosslinked modified fluoropolymer

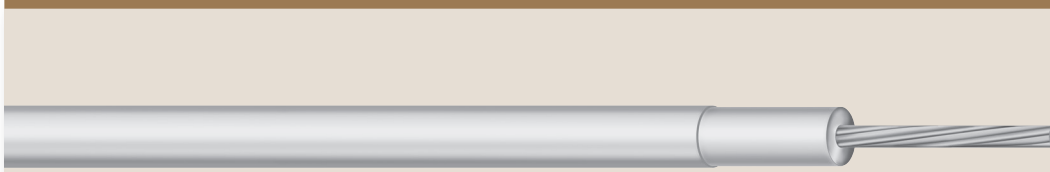
Scope

This dual layer, high temperature 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.

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



Marmon Engineered Wire & Cable LLC
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