

Features

- Thermoset insulation and jacket
- Superior mechanical properties such as abrasion, cut through and penetration
- Excellent performance in water immersion
- Flame retardant
- High temperature
- Low smoke
- Light weight
- Excellent fluid, oil, and moisture resistance
- Smaller overall diameter
- ROHS compliant

Performance Standards

- AREMA MP 10.03.27 Recommended Design Criteria for Cross-Linked Polyolefin/Fluoropolymer Insulation for 125°C Wire
- AREMA MP 10.03.15 Recommended Design Criteria for Insulated Signal Wire/Case Wire
- Temperature rating 125°C
- Low temperature rating -55°C
- Passes UL VW-1
- Meets toxicity requirements when tested in accordance with BSS 7239
- Meets transit smoke requirements when tested in accordance with ASTM E662
- Passes UL 1685 IAW NFPA 130 with IEEE 1202/FT4 flame test

Construction

Conductors: Tin coated copper per ASTM B33, B172

Insulation: Exane[®] crosslinked polyolefin

Color: Available upon request

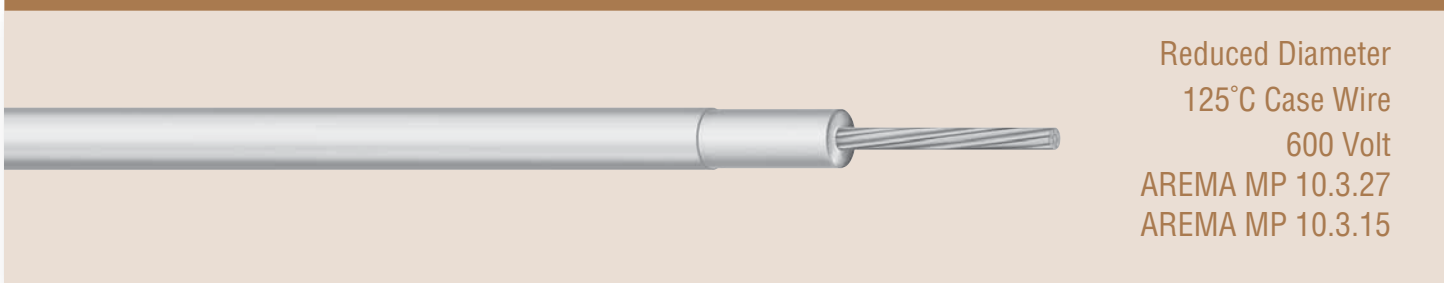
Jacket: Crosslinked modified fluoropolymer

Scope

This dual layer, high temperature Case 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, water, 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 bungalow electronics equipment and other applications track side.

Exane[®] Case Wire

Reduced Diameter Case Wire



Exane[®] Case Wire: Single Conductor*

Product Number	Conductor Size (AWG)	(mm ²)	Stranding	Nom. Conductor Diameter (Inch)	Insulation Thickness (Inch)	Nominal OD (Inch)	Weight LBS/M'
EF01022-270	22	.38	19/34	0.030	0.015	0.060	3.7
EF01020-270	20	.62	19/32	0.038	0.015	0.068	5.4
EF01018-270	18	.96	19/30	0.047	0.015	0.077	7.7
EF01016-270	16	1.23	19/29	0.054	0.015	0.084	9.6
EF01014-270	14	1.94	19/27	0.067	0.015	0.097	14.3
EF01012-270	12	3.08	19/25	0.085	0.015	0.115	22.2
EF01010-270	10	4.74	27/24	0.116	0.015	0.151	39.3

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

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

For example: 1/C 16 AWG Red part number is EF01016-272



Marmon Engineered Wire & Cable LLC
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