

**Addressable System Fire Alarm Cables Shielded**



**Description:**

- ASTM bare copper
- Copolene II<sup>®</sup> insulation
- Short overall twist lengths (six twists per foot)
- Polyester binders as required
- Overall shielded 100% coverage aluminum polyester foil with 20 AWG strd. TC drain wire
- Overall 75° C PVC jacket
- Standard spool size 1000 feet

**Rating:**

- UL listed NEC type FPL
- Constructed in accordance with UL Standard 1424
- Complies with UL 1581 Vertical Tray Flame Test
- Temperature range: -20° C to 75° C dry locations
- Meets 300 volt requirement as specified in Section 760-51 (c) of the NEC

**Applications**

Indoor (non-conduit per NEC) Data Grade Fire Alarm Cable for:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

**Color Code:**

Conductors: 1. Black, 2. Red  
Jacket: Red

CAUTION: Dry locations only. The electronic characteristics of this cable may change due to excessive tension, crushing, and application of pulling compounds during installation.

<b>Construction</b>	
Number of Pairs	1
AWG Size	16
Stranding	Solid
Nom. Insulation Thickness	.015 (.38mm)
Shield Coverage	100% Aluminum Polyester
Nom. Jacket Thickness	.030 (.76mm)
Nom. O.D.	.226 (5.74mm)
Drain Wire Size	20 (7 x 28)

<b>Electrical Characteristics Calculated Quantities</b>		
Capacitance	PF* per foot	30
	PF* per meter	98
	PF** per foot	54
	PF** per meter	177
Inductance @ 1 KHZ		.174 $\mu$ h/ft.
Velocity of Propagation		71%
Nom. D.C.R. (resistance) @ 20° C		4.1 $\Omega$ /1000 ft.

\*Nominal capacitance between conductors.

\*\*Nominal capacitance between one conductor and the others connected to the shield.

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