

## Plenecon II® Extra Flexible Plenum Fire Alarm Cable Shielded

### Description:

- ASTM bare copper
- Polymer alloy insulation
- Two conductors twisted to form a pair (six twists per foot)
- Overall shielded 100% coverage aluminum polyester foil
- Flexible plenum jacket
- Standard spool size 1000 feet

### Rating:

- UL listed NEC type FPLP
- Constructed in accordance with UL Standard 1424
- Complies with UL 910 test modified ASTM Steiner Tunnel Test
- Temperature range: 0° C to 60° C dry locations

### Applications

Indoor (non-conduit per NEC) within ducts, plenums and other spaces used for environmental air for:

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

### Color Code:

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

### Installation Precautions:

- Dry locations only. The electronic characteristics of this cable may change due to excessive tension, crushing, and application of pulling compounds during installation.
- Due to the nature of PVC compounds to become non-pliable when stored or handled in ambient temperatures of 32° F or less, we recommend the following:

"Prior to installation, condition the cable for at least 24 hours at room temperature to provide the best flex properties for ease of installation".



### Mechanical Characteristics

Number of Pairs	1
AWG Size	16
Stranding	Solid
Nom. Insulation Thickness	.010 (.25 mm)
Shield Type % Coverage	100% Aluminum Polyester Tape
Nom. Jacket Thickness	.015 (.38 mm)
Nom. O.D.	.166 (4.22 mm)
Drain Wire Size	20 AWG (7 x 28)

### Electrical Characteristics Nominal

Capacitance @ 1 KHZ	61 pf/ft*
	200 pf/M*
	110 pf/ft**
	361 pf/M**
Conductor D.C.R. (Resistance) @ 20° C	4.1 Ω per 1000 feet

\*Nominal capacitance between conductors.

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

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