



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CMP, 3-18 AWG stranded tinned copper conductors with Flamarest® insulation, Beldfoil® shield and Flamarest® jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
3	18	7x26	TC - Tinned Copper

**Total Number of Conductors:** 3

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

**Outer Jacket Ripcord:** Yes

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

**Overall Nominal Diameter:** 4.369 mm

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** 0°C To +75°C

**Bulk Cable Weight:** 41.670 Kg/Km

**Max. Recommended Pulling Tension:** 361.194 N

**Min. Bend Radius/Minor Axis:** 44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5301FH

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
162.410

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
292.009

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
20.9984

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.168

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	5 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6301FH 877U1000	1,000 FT	28.000 LB	NATURAL		3 #18 FLRST FS FLRST
6301FH 877I1000	1,000 FT	28.000 LB	NATURAL		3 #18 FLRST FS FLRST

## 6301FH Multi-Conductor - Commercial Audio Systems

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