



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Plenum-CMP, 4-18 AWG stranded bare copper pairs with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	18	7x26	BC - Bare Copper

Total Number of Conductors: 8

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	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	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	(7x32)	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 8.026 mm

### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 102.239 Kg/Km

Max. Recommended Pulling Tension: 859.392 N

Min. Bend Radius/Minor Axis: 81.280 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

CEC/(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 RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
Non-Plenum Number:	5343FE

**Electrical Characteristics (Overall)**

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)  
131.24

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

Capacitance (pF/m)  
236.232

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)  
21.4905

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)  
42.981

**Max. Operating Voltage - UL:**

Voltage  
300 V RMS

**Max. Recommended Current:**

Current  
3.5 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6343FE 8771000	1,000 FT	70.000 LB	NATURAL	C	4 PR #18 FLRST FS FLRST
6343FE 877500	500 FT	37.500 LB	NATURAL		4 PR #18 FLRST FS FLRST

**Notes:**

C = CRATE REEL PUT-UP.

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