

For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Rated-CMG-FPL-PLTC, 1-16 AWG stranded tinned copper pair with PVC insulation, Beldfoil® shield, Waterblocking tape, PVC jacket

### Usage (Overall)

**Suitable Applications:** Low Voltage, Water-Blocked for Use in Underground Ducts, PLTC, FPL, Intercom, Sound, Audio

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material
1	16	7x24	TC - Tinned Copper

**Total Number of Conductors:** 2

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

#### 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
18	(7x26)	TC - Tinned Copper

**Outer Shield Waterblocking Tape:** Yes

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

#### Overall Cable

**Overall Nominal Diameter:** 6.452 mm

#### Pair

**Pair Color Code Chart:**

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -30°C To +105°C

**UL Temperature Rating:** 105°C

**Bulk Cable Weight:** 50.599 Kg/Km

**Max. Recommended Pulling Tension:** 413.683 N

Min. Bend Radius/Minor Axis: 69.850 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, FPL, PLTC
CEC/C(UL) Specification:	CMG
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):	11/08/2006
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
Other Specification:	PLTC-ER

### Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
Other Flame Test:	IEEE 1202

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes - UL
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
249.356

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
14.4364

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
55.449

### Max. Operating Voltage - UL:

Voltage  
300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5240F1 0021000	1,000 FT	38.000 LB	RED	C	1 FS PR #16 PVC PVC
5240F1 010Z1000	1,000 FT	44.000 LB	BLACK		1 FS PR #16 PVC PVC
5240F1 0101000	1,000 FT	38.000 LB	BLACK	C	1 FS PR #16 PVC PVC

Notes:

## METRIC MEASUREMENT VERSION

### 5240F1 Multi-Conductor - Water Resistant

C = CRATE REEL PUT-UP.

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