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1-800-Belden1



## General Description:

Security & Alarm Cable, Rated-CMG-FPL-PLTC-ER, 4-18 AWG stranded tinned copper conductors with PVC insulation, 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:**

# Conductors	AWG	Stranding	Conductor Material
4	18	7x27	TC - Tinned Copper

**Total Number of Conductors:** 4

### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.067

### Overall Cable

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White
3	Red
4	Green

**Overall Cabling Separator Material:** Waterblocking Tape

**Overall Nominal Diameter:** 7.849 mm

## Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 59.528 Kg/Km

**Max. Recommended Pulling Tension:** 395.890 N

**Min. Bend Radius/Minor Axis:** 79.375 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, FPL, PLTC-ER
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):	11/06/2006
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

### Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
CSA Flame Test:	FT4

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
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)
98.430

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.3579

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
7.2 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5302U1 0101000	1,000 FT	44.000 LB	BLACK	C	4 #18 PVC PVC

### Notes:

C = CRATE REEL PUT-UP.

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## **5302U1 Multi-Conductor - Water-Blocked**

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