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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Rated-CMG-FPL-PLTC-ER, 1-16 AWG stranded tinned copper pair 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:

| # 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 Material |
|-----------------------|
| Unshielded            |

**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 Cabling Lay Length & Direction:

| Length (mm) | Direction | Twists (twist/m) |
|-------------|-----------|------------------|
| 88.900      | Left Hand | 11.155           |

**Overall Nominal Diameter:** 6.325 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:** 46.134 Kg/Km

**Max. Recommended Pulling Tension:** 315.822 N

Min. Bend Radius/Minor Axis: 63.500 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 |
| Sunlight Resistance:   | Yes |

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

108.273

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

14.4364

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc        |
|-----------------|----------|-------------|-------|-------|------------------|
| 5240U1 0021000  | 1,000 FT | 42.000 LB   | RED   | C     | 1 PR #16 PVC PVC |
| 5240U1 010Z1000 | 1,000 FT | 43.000 LB   | BLACK |       | 1 PR #16 PVC PVC |
| 5240U1 0101000  | 1,000 FT | 42.000 LB   | BLACK | C     | 1 PR #16 PVC PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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