

## 6547FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield tape (foil side out) w/drain wire, Flamarrest® jacket with ripcord. Sequential footage marking every two feet.

**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 |
|---------|-----|-----------|--------------------|
| 9       | 22  | 7x30      | BC - Bare Copper   |

**Insulation****Insulation Material:**

| Insulation Trade Name | Insulation Material                   | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | 0.009                |

**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 (in.) |
|-------------------------|---------------------------------------|---------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride | .018                      |

**Outer Jacket Ripcord:**

Yes

**Overall Cable****Overall Nominal Diameter:**

0.323 in.

**Pair****Pair Color Code Chart:**

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |
| 6      | Black & Brown  |
| 7      | Black & Orange |
| 8      | Red & White    |
| 9      | Red & Green    |

### Mechanical Characteristics (Overall)

|                                        |                     |
|----------------------------------------|---------------------|
| Operating Temperature Range:           | 0°C To +75°C        |
| UL Temperature Rating:                 | 75°C                |
| Bulk Cable Weight:                     | 67.200 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 169.300 lbs.        |
| Min. Bend Radius (Install)/Minor Axis: | 3.250 in.           |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMP        |
| NEC Articles:                         | 800        |
| CEC/C(UL) Specification:              | CMP        |
| 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 |
|---------------|-----|

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (μH/ft)

.18

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33

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

Capacitance (pF/ft)

59.4

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.3

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

12.7

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

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|                                                   |
|---------------------------------------------------|
| 1.4 Amps per conductor @ 25°C (10°C rise in temp) |
|---------------------------------------------------|

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color   | Notes | Item Desc             |
|----------------|----------|-------------|---------|-------|-----------------------|
| 6547FE 8771000 | 1,000 FT | 72.000 LB   | NATURAL | C     | 9PR #22FLRST FS FLRST |

**Notes:**

C = CRATE REEL PUT-UP.

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