

## 6343FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

18 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 |
|---------|-----|-----------|--------------------|
| 4       | 18  | 7x26      | 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 | 0.017                     |

**Outer Jacket Ripcord:**

Yes

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

0.316 in.

**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

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|                                        |                     |
|----------------------------------------|---------------------|
| Bulk Cable Weight:                     | 68.700 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 193.200 lbs.        |
| Min. Bend Radius (Install)/Minor Axis: | 3.200 in.           |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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    |
| Non-Plenum Number: | 5343FE |

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

40

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

Capacitance (pF/ft)

72

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.55

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

13.100

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

3.5 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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|                |          |           |         |   |                         |
|----------------|----------|-----------|---------|---|-------------------------|
| 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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