

## 6101FE Multi-Conductor - Commercial Audio Systems



For more Information  
please call

1-800-Belden1

**Description:**

14 AWG bare copper conductors, Flamarrest® insulation, conductors cabled, Overall Beldfoil® tape shield (foil side out) and drain wire, Flamarrest® jacket with ripcord, sequential footage marking every two feet.

**Usage (Overall)**

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems

**Physical Characteristics (Overall)****Conductor**

**AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 3            | 14  | 19x27     | BC - Bare Copper   |

**Insulation**

**Insulation Material:**

| Insulation Trade Name | Insulation Material                   | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | 0.011                |

**Outer Shield**

**Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|----------------------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100          |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire         | Conductor Material |
|-----|-----------|--------------------|--------------------|
| 16  | 19x29     | 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 | .015                      |

**Outer Jacket Ripcord:** Yes

**Overall Cable**

**Overall Cabling Lay Length & Direction:**

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 3.25         | 3.7          |

**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |

**Overall Nominal Diameter:** 0.234 in.

**Mechanical Characteristics (Overall)**

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 62.600 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 172.900 lbs.

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|                                        |           |
|----------------------------------------|-----------|
| Min. Bend Radius (Install)/Minor Axis: | 2.400 in. |
|----------------------------------------|-----------|

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CL2P       |
| NEC Articles:                         | 725        |
| 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 |
|----------------|----------|

## Plenum/Non-Plenum

|                    |        |
|--------------------|--------|
| Plenum (Y/N):      | Yes    |
| Non-Plenum Number: | 5101FE |

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 85                  |

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

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 153                 |

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 2.54                     |

## Nominal Outer Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 3.44                     |

## Max. Recommended Current:

|                             |
|-----------------------------|
| Current                     |
| 8 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            |
|----------------|----------|-------------|---------|-------|----------------------|
| 6101FE 8771000 | 1,000 FT | 66.000 LB   | NATURAL | C     | 3 #14 FLRST FS FLRST |

## Notes:

C = CRATE REEL PUT-UP.

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