

**5301FE Non-Paired - Commercial Audio Systems**

|   |  |   |
|---|--|---|
|  |  | <p style="text-align: center;">For more information please<br/>call<br/><b>1-800-Belden1</b></p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p> |
|---|--|---|

**Description:**

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

**SUITABLE APPLICATIONS:**

|                       |  |
|-----------------------|--|
| Suitable Applications | Intercom/PA Systems, Sound/Audio Systems |
|-----------------------|--|

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

|                            |                  |
|----------------------------|------------------|
| Number of Conductors       | 3                |
| Total Number of Conductors | 3                |
| AWG                        | 18               |
| Stranding                  | 7x26             |
| Conductor Material         | BC - Bare Copper |

**INSULATION:**

|                                |                          |
|--------------------------------|--------------------------|
| Insulation Material            | PVC - Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | .010 in.                 |

**OVERALL CABLING:**

|                            |       |
|----------------------------|-------|
| Overall Cabling Lay Length | 3 in. |
| Overall Cabling Twists/ft. | 4     |

Overall Cabling Color Code Chart :

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

**OUTER SHIELD:**

|  |  |
|--|--|
| Outer Shield Material Trade Name           | Beldfoil®                                    |
| Outer Shield Type                          | Tape   |
| Outer Shield Material                      | Aluminum Foil-Polyester Tape w/Shorting Fold |
| Outer Shield % Coverage                    | 100 %  |
| Outer Shield Drain Wire AWG                | 20   |
| Outer Shield Drain Wire Stranding          | 7x28   |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper                           |

**OUTER JACKET:**

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|                                     |                          |
|-------------------------------------|--------------------------|
| Outer Jacket Material               | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .015 in.                 |
| Outer Jacket Ripcord                | Yes                      |

**OVERALL NOMINAL DIAMETER:**

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .175 in. |
|--------------------------|----------|

**MECHANICAL CHARACTERISTICS:**

|                                  |                   |
|----------------------------------|-------------------|
| Operating Temperature Range      | -20°C To +75°C    |
| UL Temperature Rating            | 75°C              |
| Bulk Cable Weight                | 27.7 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 81.2 lbs.         |
| Min. Bend Radius (Install)       | 1.75 in.          |

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification                | CMR        |
| NEC Articles                          | 800        |
| CEC/C(UL) Specification               | CMG        |
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

**FLAME TEST:**

|                  |                       |
|------------------|-----------------------|
| UL Flame Test    | UL1666 Vertical Shaft |
| C(UL) Flame Test | FT4                   |

**PLENUM/NON-PLENUM:**

|               |        |
|---------------|--------|
| Plenum (Y/N)  | N      |
| Plenum Number | 6301FE |

**ELECTRICAL CHARACTERISTICS:**

|   |                             |
|---|-----------------------------|
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 62 pF/ft                    |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 112 pF/ft                   |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 6.5 Ohms/1000 ft            |
| Nominal Outer Shield DC Resistance @ 20 Deg. C  | 7.2 Ohms/1000 ft            |
| Max. Operating Voltage - UL                     | 300 V RMS                   |
| Max. Recommended Current                        | 5 Amps per conductor @ 25°C |

**PUT-UPS AND COLORS:**

| Item           | Description          | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|----------------|----------------------|--------------|--------------------|--------------|-------|
| 5301FE 0081000 | 3 #18 SRPVC FS FRPVC | 1000         | 30                 | GRAY         | C     |

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|                 |                         |       |      |      |  |
|-----------------|-------------------------|-------|------|------|--|
| 5301FE 008500   | 3 #18 SRPVC FS<br>FRPVC | 500   | 15   | GRAY |  |
| 5301FE 008U1000 | 3 #18 SRPVC FS<br>FRPVC | U1000 | 30   | GRAY |  |
| 5301FE 008U500  | 3 #18 SRPVC FS<br>FRPVC | U500  | 15.5 | GRAY |  |

C = CRATE REEL PUT-UP.

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