

## 5500UH Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Riser-CMR, 2-22 AWG stranded tinned copper conductors with polyolefin insulation, PVC jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls, Single Line Telephone

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 22  | 7x30      | TC - Tinned Copper |

**Total Number of Conductors:** 2

#### Insulation

**Insulation Material:**

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene  | 0.203               |

#### Outer Shield

**Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.432                    |

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Color Code Chart:**

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

**Overall Nominal Diameter:** 3.150 mm

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**Bulk Cable Weight:** 14.882 Kg/Km

**Max. Recommended Pulling Tension:** 80.957 N

**Min. Bend Radius/Minor Axis:** 31.750 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CMR

METRIC MEASUREMENT VERSION

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|                                    |     |
|------------------------------------|-----|
| NEC Articles:                      | 800 |
| 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 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:    | UL1666 Vertical Shaft |
| C(UL) Flame Test: | FT4                   |

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6500UH |

### Surface Printing (Overall)

|                   |  |
|-------------------|--|
| Surface Printing: | NEW GENERATION(R) BY BELDEN-M 5500UE CMR 75C 2C22 (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET |
|-------------------|--|

### Electrical Characteristics (Overall)

#### Nom. Inductance:

|                   |
|-------------------|
| Inductance (µH/m) |
| 0.55777           |

#### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 55.777             |

#### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 52.8241             |

#### Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

#### Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 2.8 Amps per conductor @ 25°C |

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc    |
|-----------------|----------|-------------|-------|-------|--------------|
| 5500UH 008U1000 | 1,000 FT | 9.000 LB    | GRAY  |       | 2 #22 PO PVC |
| 5500UH 0081000  | 1,000 FT | 9.000 LB    | GRAY  |       | 2 #22 PO PVC |

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