

## 8421 Coax - Audio Connecting Cable

For more Information  
please call

1-800-Belden1

**General Description:**

25 AWG Stranded (7x33) conductor, (3) TC, (4) TCCS, FPE insulation, tinned copper spiral wrapped shield (85% coverage), PVC jacket.

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

AWG:

| # Coax | AWG | Stranding | Conductor Material                                 |
|--------|-----|-----------|----------------------------------------------------|
| 1      | 25  | 7x33      | TC/TCCS -Tinned Copper/Tinned Copper Covered Steel |

**Insulation**

Insulation Material:

| Insulation Material     | Dia. (in.) |
|-------------------------|------------|
| FPE - Foam Polyethylene | 0.125      |

**Outer Shield**

Outer Shield Material:

| Type         | Outer Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| Spiral Serve | TC - Tinned Copper    | 85.000       |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

**Overall Cable**

Overall Nominal Diameter: 0.180 in.

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | -20°C To +80°C  |
| Non-UL Temperature Rating:        | 80°C            |
| Bulk Cable Weight:                | 15 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 5 lbs.          |
| Min. Bend Radius (Overall):       | 2 in.           |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |            |
|---------------------------------------|------------|
| 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 RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MIL Order #39 (China RoHS):           | Yes        |

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 80              |

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Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

32.27

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.9 Amps per conductor @ 25°C

Put Ups and Colors:

| Item #      | Putup  | Ship Weight | Color  | Notes | Item Desc         |
|-------------|--------|-------------|--------|-------|-------------------|
| 8421 060250 | 250 FT | 4.500 LB    | CHROME |       | #25 PE SERVED PVC |

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