

# Detailed Specifications & Technical Data

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ENGLISH MEASUREMENT VERSION

## 8416 Coax - Dual Channel Audio Cable



For more Information  
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1-800-Belden1



### General Description:

Dual Channel, 25 AWG stranded (7x33), (3) TC, (4) TCCS, polyethylene insulation, individual TC spiral wrapped shield (90% coverage), PVC jacket, polarity rib on red conductor.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
2	25	7x33	TC/TCCS -Tinned Copper/Tinned Copper Covered Steel	.021

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	0.058

Insulation Resistance: Red, Natural

Insulation Color Code Chart:

Number	Color
1	Red
2	Natural

#### Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	90

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.106 x 0.213 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 16 lbs/1000 ft.

### 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

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MII Order #39 (China RoHS):

Yes

### Plenum/Non-Plenum

Plenum (Y/N):

No

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

44

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

36

#### Max. Operating Voltage - Non-UL:

Voltage

90 V RMS

### Notes (Overall)

Notes: For use with head sets, stereo and language labs.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8416 008250	250 FT	4.750 LB	GRAY		2 SH CONDRS PARALLEL PVC

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