

## 8459 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
25	22	7x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.040

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

Length (in.)
4.00

##### Overall Cabling Color Code Chart:

Color
Black
White
Red
Green
Orange
Blue
White/Black
Red/Black
Green/Black
Orange/Black
Blue/Black
Black/White
Red/White
Green/White
Blue/White
Black/Red
White/Red
Orange/Red
Blue/Red
Red/Green

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Orange/Green
Black/White/Red
White/Black/Red
Red/Black/White
Green/Black/White

**Overall Nominal Diameter:** 0.387 in.

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2576)
<b>Bulk Cable Weight:</b>	99.200 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	228 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	3.700 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG
<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2576 (150 V 80°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

**UL Flame Test:** FT4

#### Plenum/Non-Plenum

**Plenum (Y/N):** No

### Electrical Characteristics (Overall)

#### Nom. Inductance:

**Inductance (µH/ft)**

.17

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/ft)**

34

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

15.6

#### Max. Operating Voltage - UL:

**Voltage**

300 V RMS (CMG)

150 V RMS (UL AWM Style 2576)

#### Max. Recommended Current:

**Current**

1.5 Amps per conductor @ 25°C

## 8459 Multi-Conductor - Audio, Control and Instrumentation Cable

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8459 060100	100 FT	11.300 LB	CHROME		25 #22 PVC PVC
8459 0601000	1,000 FT	109.000 LB	CHROME	C	25 #22 PVC PVC
8459 060500	500 FT	55.000 LB	CHROME	C	25 #22 PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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