

## 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 (mm)
PVC - Polyvinyl Chloride	0.254

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

#### Overall Cabling

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

Length (mm)
101.5996

##### 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

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

**Overall Nominal Diameter:** 9.830 mm

### 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>	147.629 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	1014.190 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	93.980 mm

### 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/m)**  
0.55777

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**  
111.554

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
51.1836

#### 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	30 MT	5.126 KG	CHROME		25 #22 PVC PVC
8459 0601000	305 MT	49.442 KG	CHROME	C	25 #22 PVC PVC
8459 060500	152 MT	24.948 KG	CHROME	C	25 #22 PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 06-24-2009

© 2011 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.