Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8459 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

25

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.279

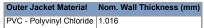
Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:



Overall Cable

Overall Cabling Color Code Chart:



Overall Nominal Diameter:

9.830 mm

80°C (UL AWM Style 2576)

Mechanical Characteristics (Overall)

UL Temperature Rating:

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

Page 1 of 3 11-05-2015

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8459 Multi-Conductor - Audio, Control and Instrumentation Cable

Bulk Cable Weight:	150.308 Kg/Km	
Max. Recommended Pulling Tension:	1014.190 N	
Min. Bend Radius/Minor Axis:	101.600 mm	

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 V 80°C)
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):	04/01/2005
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
amo Toet	

Flame Test

UL1685 FT4 Loading **UL Flame Test: CSA Flame Test:** FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

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

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	С	25 #22 PVC PVC
8459 060500	500 FT	55.000 LB	CHROME	С	25 #22 PVC PVC
8459 0605000	5,000 FT	565.000 LB	CHROME		25 #22 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-14-2012

© 2015 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.

Page 2 of 3 11-05-2015

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8459 Multi-Conductor - Audio, Control and Instrumentation Cable

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.

Page 3 of 3 11-05-2015