

8441 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



Description:

Overall braid, 22 AWG stranded (7x30) TC conductors, PVC insulation, twisted pair, polyester tape + TC braid shield (86% coverage), stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	86

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	19x34		TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Overall Cabling

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 4.928 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
50.7998	19.686

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 80°C (UL AWM Style 2095)

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 217.962 N

Min. Bend Radius (Install)/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2095 (300 V 80°C)
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

Flame Test

UL Flame Test:	UL1685 FT4 Loading
----------------	--------------------

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
45

Nom. Inductance:

Inductance (µH/m)
0.6562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
160.769

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
282.166

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
54.1365

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
16.405

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2095)

Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

8441 Multi-Conductor - Audio, Control and Instrumentation Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8441 010U1000	305 MT	12.247 KG	BLACK		2 #22 PVC SH PVC
8441 010U500	152 MT	6.350 KG	BLACK		2 #22 PVC SH PVC
8441 010100	30 MT	1.497 KG	BLACK		2 #22 PVC SH PVC
8441 0101000	305 MT	12.247 KG	BLACK	C	2 #22 PVC SH PVC
8441 010500	152 MT	6.350 KG	BLACK	C	2 #22 PVC SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-03-2008

© 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.