

8422 Multi-Conductor - Two-Conductor, Low-Impedance Cable

For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (16x34) high-conductivity tinned copper conductors, polyethylene insulation, cotton braid, double tinned copper braid shield (85% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
2	22	16x34	High Conductivity TC - Tinned Copper	0.7874

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PE - Polyethylene	0.5334	1.8288

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.5588

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Clear
2	Black

Overall Cabling Separator Material: Cotton Braid

Overall Nominal Diameter: 5.867 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 413.683 N

Min. Bend Radius/Minor Axis: 58.420 mm

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

8422 Multi-Conductor - Two-Conductor, Low-Impedance Cable

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
MII Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
90

Nom. Inductance:

Inductance (µH/m)
0.72182

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
59.058

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
104.992

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
52.1679

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
11.4835

Max. Operating Voltage - Non-UL:

Voltage
1000 V RMS

Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8422 060U1000	305 MT	14.061 KG	CHROME		2 #22 PE CBRD BRD PVC
8422 0601000	305 MT	14.969 KG	CHROME	C	2 #22 PE CBRD BRD PVC
8422 060500	152 MT	7.484 KG	CHROME	C	2 #22 PE CBRD BRD PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

© 2013 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,

8422 Multi-Conductor - Two-Conductor, Low-Impedance Cable

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.