

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

For more Information
please call

1-800-Belden1



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

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 Cabling

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 (Install)/Minor Axis: 58.420 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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): 01/01/2004

METRIC MEASUREMENT VERSION

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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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

Related Documents:

No related documents are available for this product

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	6.804 KG	CHROME	C	2 #22 PE CBRD BRD PVC

Notes:

C = CRATE REEL PUT-UP.

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

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