

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

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

MIL Order #39 (China RoHS): Yes

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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	1,000 FT	31.000 LB	CHROME		2 #22 PE CBRD BRD PVC
8422 0601000	1,000 FT	33.000 LB	CHROME	C	2 #22 PE CBRD BRD PVC
8422 060500	500 FT	16.500 LB	CHROME	C	2 #22 PE CBRD BRD PVC

Notes:
C = CRATE REEL PUT-UP.

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