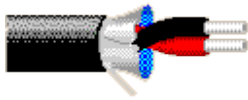


8450 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1



Description:

22 AWG solid tinned copper conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 22 AWG solid TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

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

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	.007

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	Solid	TC - Tinned Copper	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.018

Overall Cable

Overall Nominal Diameter: 0.118 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 12 lbs/1000 ft.

Max. Recommended Pulling Tension: 37 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.200 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

40

Nom. Inductance:Inductance (μ H/ft)

0.08

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

40

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

76

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.5

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

12.65

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.9 Amps per conductor @ 25°C

Notes (Overall)

Notes: Belden's® Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8450 0081000	1,000 FT	13.000 LB	GRAY		2 #22 PP SHLD PVC FR
8450 010U1000	1,000 FT	14.000 LB	BLACK		2 #22 PP SHLD PVC FR
8450 010U500	500 FT	7.500 LB	BLACK		2 #22 PP SHLD PVC FR
8450 0101000	1,000 FT	13.000 LB	BLACK		2 #22 PP SHLD PVC FR

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.