



For more Information  
please call

1-800-Belden1



### General 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

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.1778

#### 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 (mm)
PVC - Polyvinyl Chloride	0.4572

#### Overall Cable

Overall Nominal Diameter: 2.997 mm

#### 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: 17.858 Kg/Km

Max. Recommended Pulling Tension: 164.583 N

Min. Bend Radius/Minor Axis: 31.750 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification:	CM
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
MII Order #39 (China RoHS):	Yes

**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 ( $\mu\text{H}/\text{m}$ )
0.26248

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
131.24

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/m)
249.356

**Nominal Velocity of Propagation:**

VP (%)
66

**Nominal Delay:**

Delay (ns/m)
4.9215

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
52.8241

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
41.5047

**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.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8450 0081000	305 MT	5.897 KG	GRAY		2 #22 PP SHLD PVC FR
8450 010U1000	305 MT	6.350 KG	BLACK		2 #22 PP SHLD PVC FR
8450 010U500	152 MT	3.402 KG	BLACK		2 #22 PP SHLD PVC FR
8450 0101000	305 MT	5.897 KG	BLACK		2 #22 PP SHLD PVC FR

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