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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 (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 Cabling

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 (Install)/Minor Axis: 30.480 mm

### 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)
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40
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### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{m}$ )
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0.26248
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### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
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131.24
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### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
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249.356
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### Nominal Velocity of Propagation:

VP (%)
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66
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### Nominal Delay:

Delay (ns/m)
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4.9215
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### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
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52.8241
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### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
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41.5047
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### Max. Operating Voltage - UL:

Voltage
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300 V RMS
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### Max. Recommended Current:

Current
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2.9 Amps per conductor @ 25°C
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## 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	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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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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