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please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.432

#### Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

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

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.6604

#### Overall Cable

Overall Nominal Diameter: 4.572 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2092)

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 124.550 N

Min. Bend Radius/Minor Axis: 50.800 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 2092 (300 V 60°C)

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

## METRIC MEASUREMENT VERSION

## 9461 Multi-Conductor - Single-Pair Cable

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)

64

### Nom. Inductance:

Inductance (µH/m)

0.6562

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

78.744

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

Capacitance (pF/m)

154.207

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

52.496

### Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2092)

### Max. Recommended Current:

Current

3 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** The jacket and shield are bonded so both can be removed on automatic stripping equipment.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9461 060U1000	1,000 FT	21.000 LB	CHROME		2 #22 PE FS PVC
9461 060U500	500 FT	11.000 LB	CHROME		2 #22 PE FS PVC
9461 0605000	5,000 FT	105.000 LB	CHROME		2 #22 PE FS PVC

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