

## 8461 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacket Con

For more Information  
please call

1-800-Belden1

**General Description:**

18 AWG stranded (7x26) tinned copper conductors, PVC insulation, twisted pair, PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	7x26	TC - Tinned Copper

Total Number of Conductors: 2

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.5588

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.686

**Overall Cable**

Overall Nominal Diameter: 5.944 mm

**Pair**

Pair Color Code Chart:

Number	Color
1	Black & White

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)	Direction
50.800	19.686	Left Hand

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +80°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius/Minor Axis: 63.500 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CL3, CMG

NEC Articles: 800, 725

CEC/C(UL) Specification: CMG

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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):	04/01/2005
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 FT4 Loading
CSA Flame Test:	FT4

## Suitability

Suitability - Indoor:	Yes
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
72.182

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.2267

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Description	Current
10C Temperature Rise	4.8 Amps per conductor @ 20°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8461 060U1000	1,000 FT	28.000 LB	CHROME		2 #18 PVC FRPVC
8461 060U500	500 FT	15.000 LB	CHROME		2 #18 PVC FRPVC
8461 060100	100 FT	3.400 LB	CHROME		2 #18 PVC FRPVC
8461 0601000	1,000 FT	29.000 LB	CHROME	C	2 #18 PVC FRPVC
8461 060500	500 FT	14.500 LB	CHROME	C	2 #18 PVC FRPVC
8461 0605000	5,000 FT	145.000 LB	CHROME		2 #18 PVC FRPVC

## Notes:

C = CRATE REEL PUT-UP.

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## METRIC MEASUREMENT VERSION

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