

## 9309 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

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

**Physical Characteristics (Overall)****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
9	22	Solid	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.013

**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	7x30		TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.033

**Overall Cable**

**Overall Nominal Diameter:** 0.363 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White
9	Red & Green

**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	-20°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2464)
<b>Bulk Cable Weight:</b>	80.100 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	149 lbs.

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Min. Bend Radius (Install)/Minor Axis:	3.730 in.
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**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
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
C(UL) Flame Test:	FT4

**Plenum/Non-Plenum**

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

Inductance (μH/ft)
.02

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
50

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
35

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
16.5

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
12.5

**Max. Operating Voltage - UL:**

Voltage
300 V RMS (UL AWM Style 2464)

**Max. Recommended Current:**

Current
1.4 Amps per conductor @ 25°C

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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**9309 Multi-Conductor - Audio, Control and Instrumentation Cable**

9309 0601000	1,000 FT	86.000 LB	CHROME	C	9 #22 PR FS PVC
9309 060500	500 FT	44.500 LB	CHROME	C	9 #22 PR FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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