

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

**BELDEN**  
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## 8208 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General Description:

Overall braid, 18 AWG stranded (16x30) tinned copper conductors, rubber insulation, twisted pair, separator + TC braid shield (73% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

Total Number of Conductors:

2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
Rubber	.022

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	73

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

#### Overall Cable

Overall Cabling Separator Material:

Polyester Tape

Overall Nominal Diameter:

0.257 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Red & White

### Mechanical Characteristics (Overall)

Operating Temperature Range:

-20°C To +80°C

Non-UL Temperature Rating:

80°C

Bulk Cable Weight:

40 lbs/1000 ft.

Max. Recommended Pulling Tension:

69 lbs.

Min. Bend Radius/Minor Axis:

2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

### Plenum/Non-Plenum

Plenum (Y/N):  No

### Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

44

Nom. Inductance:

Inductance ( $\mu$ H/ft)

0.20

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

46

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

77

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

5.2 Amps per conductor @ 25°C

### Notes (Overall)

Notes: No surface printing.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8208 060U1000	1,000 FT	42.000 LB	CHROME		1 PR #18 EPDM SHLD FRPVC
8208 060U500	500 FT	21.500 LB	CHROME		1PR #18 EPDM SHLD FRPVC
8208 060100	100 FT	4.700 LB	CHROME		1PR #18 EPDM SHLD FRPVC
8208 0601000	1,000 FT	43.000 LB	CHROME	C	1 PR #18 EPDM SHLD FRPVC
8208 060500	500 FT	21.500 LB	CHROME	C	1PR #18 EPDM SHLD FRPVC
8208 0605000	5,000 FT	210.000 LB	CHROME	C Z	1 PR #18 EPDM SHLD FRPVC

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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