

METRIC MEASUREMENT VERSION



## 9319 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General 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
19	22	Solid	TC - Tinned Copper

Total Number of Conductors: 38

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.3302

#### 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 (mm)
PVC - Polyvinyl Chloride	1.016

#### Overall Cable

Overall Nominal Diameter: 12.573 mm

#### 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
10	Red & Blue
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue

16	Green & Yellow
17	Green & Brown
18	Green & Orange
19	White & Blue

### 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>	229.183 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	1365.597 N
<b>Min. Bend Radius/Minor Axis:</b>	127 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG
<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2464 (300 V 80°C)
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>CSA Flame Test:</b>	FT4

### Electrical Characteristics (Overall)

#### Nom. Inductance:

**Inductance (µH/m)**  
0.6562

#### Nom. Capacitance Conductor to Shield:

**Capacitance (pF/m)**  
164.05

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**  
114.835

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
54.1365

#### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**  
45.934

#### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

## 9319 Multi-Conductor - Audio, Control and Instrumentation Cable

**Max. Recommended Current:**

Current
1.4 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9319	1 EA	0.100 LB			RSFM 4/20/1 M
9319 0601000	1,000 FT	161.000 LB	CHROME	C	19 PR #22 PVC SHLD PVC
9319 060500	500 FT	84.000 LB	CHROME	C	19 PR #22 PVC SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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