

## 8623 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General Description:

16 AWG stranded (19x29) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
15	16	19x29	TC - Tinned Copper

Total Number of Conductors: 15

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.7874

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.524

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White

Overall Nominal Diameter: 17.628 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 80°C

Bulk Cable Weight: 428.602 Kg/Km

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Max. Recommended Pulling Tension:	2028.379 N
Min. Bend Radius/Minor Axis:	177.800 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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):	10/01/2005
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

Other Flame Test:	VW-1, FT1
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## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
63.9795

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
14.4364

## Max. Operating Voltage - Non-UL:

Voltage
600 V RMS

## Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8623 0601000	1,000 FT	312.000 LB	CHROME	C	15 #16 PVC FRPVC
8623 0602000	2,000 FT	602.000 LB	CHROME		15 #16 PVC FRPVC
8623 060500	500 FT	151.500 LB	CHROME	C	15 #16 PVC FRPVC
8623 0605000	5,000 FT	1,555.000 LB	CHROME	C Z	15 #16 PVC 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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## **8623 Multi-Conductor - Audio, Control and Instrumentation Cable**

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