# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 9156 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



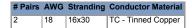
#### **General Description:**

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

#### **Physical Characteristics (Overall)**

#### Conductor

AWG:



Total Number of Conductors:

4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.013

#### Inner Shield

Inner Shield Material:



#### **Outer Shield**

Outer Shield Material:



#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.035

# Overall Cable

Overall Nominal Diameter: 0.333 in.

### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

#### Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)	Direction
2.000	6.000	Left Hand

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
Bulk Cable Weight:	48 lbs/1000 ft.
Max. Recommended Pulling Tension:	90 lbs.
Min. Bend Radius/Minor Axis:	3.500 in.

#### **Applicable Specifications and Agency Compliance (Overall)**

#### **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
NEC Articles:	800
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

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	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
Fla	ne Test	
	UL Flame Test:	UL1685 FT4 Loading
	CSA Flame Test:	FT4
Sui	ability	
	Suitability - Indoor:	Yes
Ple	num/Non-Plenum	
	Plenum (Y/N):	No
Sui	UL Flame Test:  CSA Flame Test:  cability  Suitability - Indoor:  num/Non-Plenum	FT4 Yes

#### **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 5.86

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

Description	Current	
10C Temperature Rise	3.9 Amps per conductor @ 20°C ambient	

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9156 060U1000	1,000 FT	49.000 LB	CHROME		2 #18 PR PVC PVC
9156 060U500	500 FT	25.000 LB	CHROME		2 #18 PR PVC PVC
9156 0601000	1,000 FT	51.000 LB	CHROME	С	2 #18 PR PVC PVC
9156 060500	500 FT	27.000 LB	CHROME	С	2 #18 PR PVC PVC
9156 0605000	5,000 FT	260.000 LB	CHROME	CZ	2 #18 PR PVC PVC

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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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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