

## 9457 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (7x28) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
12	20	7x28	TC - Tinned Copper

Total Number of Conductors: 12

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Red
3	Green
4	Brown
5	Blue
6	Orange
7	Yellow
8	Purple
9	Gray
10	Pink
11	Tan (around Black)
12	Black

Overall Nominal Diameter: 8.585 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	114.591 Kg/Km
Max. Recommended Pulling Tension:	658.334 N
Min. Bend Radius/Minor Axis:	88.900 mm

### 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 Directive 2011/65/EU (ROHS II):	Yes

## METRIC MEASUREMENT VERSION

### 9457 Multi-Conductor - Audio, Control and Instrumentation Cable

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
CSA Flame Test:	FT4

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

##### Capacitance (pF/m)

88.587

#### Nom. Conductor DC Resistance:

##### DCR @ 20°C (Ohm/km)

35.1067

#### Max. Operating Voltage - UL:

##### Voltage

300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

##### Current

2.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9457 060100	100 FT	8.500 LB	CHROME		12 #20 PVC FRPVC
9457 0601000	1,000 FT	81.000 LB	CHROME	C	12 #20 PVC FRPVC
9457 060500	500 FT	41.500 LB	CHROME	C	12 #20 PVC FRPVC
9457 0605000	5,000 FT	420.000 LB	CHROME		12 #20 PVC FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-14-2012

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