

## 9458 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
15	20	7x28	TC - Tinned Copper

Total Number of Conductors:

15

**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	1.016

**Overall Cable**

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter:

9.881 mm

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	148.820 Kg/Km
Max. Recommended Pulling Tension:	822.917 N
Min. Bend Radius/Minor Axis:	101.600 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG

## METRIC MEASUREMENT VERSION

## 9458 Multi-Conductor - Audio, Control and Instrumentation Cable

AWM Specification:	UL Style 2464 (300 V 80°C)
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):	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
MIL 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

## Max. Recommended Current:

Current

2.8 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9458 060100	100 FT	11.500 LB	CHROME		15#20 PVC FRPVC
9458 0601000	1,000 FT	107.000 LB	CHROME	C	15#20 PVC FRPVC
9458 060500	500 FT	55.000 LB	CHROME	C	15#20 PVC FRPVC
9458 0605000	5,000 FT	565.000 LB	CHROME		15 #22 PVC FRPVC

## Notes:

C = CRATE REEL PUT-UP.

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