

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

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

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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
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

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.

Revision Number: 3 Revision Date: 09-11-2012

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