

8458 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC Jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
15	22	7x30	TC - Tinned Copper

Total Number of Conductors: 15

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.279

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:

Color
Black
White
Red
Green
Orange
Blue
White/Black
Red/Black
Green/Black
Orange/Black
Blue/Black
Black/White
Red/White
Green/White
Blue/White

Overall Nominal Diameter: 8.001 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	95.245 Kg/Km
Max. Recommended Pulling Tension:	600.507 N
Min. Bend Radius/Minor Axis:	82.550 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 2576 (150 V 80°C)
CSA Specification:	FT4
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. Inductance:

Inductance (µH/m)
0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
111.554

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
51.1836

Max. Operating Voltage - UL:

Voltage
300 V RMS (CMG)
150 V RMS (UL AWM Style 2576)

Max. Recommended Current:

Current
2.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8458 060100	100 FT	7.300 LB	CHROME		15 #22 PVC PVC
8458 0601000	1,000 FT	72.000 LB	CHROME	C	15 #22 PVC PVC
8458 060500	500 FT	35.500 LB	CHROME	C	15 #22 PVC PVC
8458 0605000	5,000 FT	345.000 LB	CHROME	C	15 #22 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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