

METRIC MEASUREMENT VERSION



8456 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
10	22	7x30	TC - Tinned Copper

Total Number of Conductors: 10

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	0.8128

Overall Cable

Overall Cabling Color Code Chart:

Color
Black
White
Red
Green
Brown
Blue
Orange
Yellow
Purple
Gray

Overall Nominal Diameter: 6.706 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	61.016 Kg/Km
Max. Recommended Pulling Tension:	391.442 N
Min. Bend Radius/Minor Axis:	69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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
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. 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	Description
300 V RMS	CMG
150 V RMS	UL AWM 2576

Max. Recommended Current:

Current
2.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8456 060U1000	1,000 FT	43.000 LB	CHROME		10 #22 PVC PVC
8456 060U500	500 FT	22.000 LB	CHROME		10 #22 PVC PVC
8456 060100	100 FT	4.800 LB	CHROME		10 #22 PVC PVC
8456 0601000	1,000 FT	45.000 LB	CHROME	C	10 #22 PVC PVC
8456 060500	500 FT	22.500 LB	CHROME		10 #22 PVC PVC
8456 0605000	5,000 FT	215.000 LB	CHROME		10 #22 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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