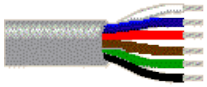
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

8457 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
12	22	7x30	TC - Tinned Copper

Total Number of Conductors:	12

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.011

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

Overall Cable

Overall Cabling Color Code Chart:

Color
White
Black
Blue
Brown
Green
Gray
Orange
Purple
Red
Pink
Tan
Yellow

Overall Nominal Diameter:	0.272 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	47 lbs/1000 ft.
Max. Recommended Pulling Tension:	110 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

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

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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

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
34

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.6

Max. Operating Voltage - UL:

Voltage	Description
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
8457 060U1000	1,000 FT	49.000 LB	CHROME		12 #22 PVC PVC
8457 060U500	500 FT	25.000 LB	CHROME		12 #22 PVC PVC
8457 060100	100 FT	5.400 LB	CHROME		12 #22 PVC PVC
8457 0601000	1,000 FT	51.000 LB	CHROME	C	12 #22 PVC PVC
8457 060500	500 FT	25.500 LB	CHROME	C	12 #22 PVC PVC
8457 0605000	5,000 FT	250.000 LB	CHROME	C	12 #22 PVC PVC

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-31-2012