Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

8747 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information
please call

1-800-Belden1

Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
6	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.035

Overall Cable

Overall Nominal Diameter:	0.320 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	53 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	3.500 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)

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
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
14.7

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current
1.4 Amps per conductor @ 20°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8747 060100	100 FT	6.200 LB	CHROME		6 PR #22 PVC PVC
8747 0601000	1,000 FT	59.000 LB	CHROME	C	6 PR #22 PVC PVC
8747 060500	500 FT	30.000 LB	CHROME	C	6 PR #22 PVC PVC

Notes:
C = CRATE REEL PUT-UP.

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