Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9745 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
3	22	7x30	TC - Tinned Copper

Total Number of Conductors:

6

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm		
PVC - Polyvinyl Chloride	0.8128		

Overall Cable

Overall Nominal Diameter:

6.223 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C	
Non-UL Temperature Rating:	80°C (UL AWM Style 2576)	
Bulk Cable Weight:	47.622 Kg/Km	
Max. Recommended Pulling Tension:	244.651 N	
Min. Bend Radius/Minor Axis:	63.500 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)
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

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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. Capacitance Conductor to Conductor:

Capacitance (pF/m) 83.6655

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 48.2307

Max. Operating Voltage - UL:

Voltage Description 150 V RMS UL AWM Style 2576 300 V RMS CMG

Max. Recommended Current:

1.9 Amps per conductor @ 20°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9745 060U1000	1,000 FT	34.000 LB	CHROME		3 #22 PR PVC PVC
9745 060U500	500 FT	18.000 LB	CHROME		3 #22 PR PVC PVC
9745 0601000	1,000 FT	36.000 LB	CHROME	С	3 #22 PR PVC PVC
9745 060500	500 FT	17.500 LB	CHROME	С	3 #22 PR PVC PVC

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-27-2012

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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.

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