Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9566 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



General Description:

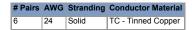
24 AWG solid tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

12

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)		
PVC - Polyvinyl Chloride	0.254		

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: 7.341 mm

Pair

Pair Color Code Chart:

Number	Color
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	59.528 Kg/Km
Max. Recommended Pulling Tension:	271.340 N
Min. Bend Radius/Minor Axis:	76.200 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	

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	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	
Fla	me Test		
	UL Flame Test:	UL1685 FT4 Loading	
	CSA Flame Test:	FT4	
Ple	Plenum/Non-Plenum		
	Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 72.182

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 80.0564

Max. Operating Voltage - UL:

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

Max. Recommended Current:

1.4 Amps per conductor @ 20°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9566 060U1000	1,000 FT	42.000 LB	CHROME		6 PR #24 PVC FRPVC
9566 060U500	500 FT	21.500 LB	CHROME		6 PR #24 PVC FRPVC
9566 0601000	1,000 FT	45.000 LB	CHROME	С	6 PR #24 PVC FRPVC
9566 060500	500 FT	23.500 LB	CHROME	С	6 PR #24 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

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

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