Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



7952A Composite - Composite Data, Audio, Video, Security and Control Cable



For more Information please call

1-800-Belden1



General Description:

Siamese Construction Composite - (1)Cat 5 4-pair 24 AWG unshielded plus (4) 14 AWG stranded (104x34) bare copper conductors, polyolefin Insulation on all conductors, overall F-R PVC jacket. Jacket sequentially marked.

Usage (Overall)

Suitable Applications:

Keypads, Control Panels, Touch Panel Controls, Home Theater, A/V Equipment, Projectors, Screens, Window Treatments, Lighting, Security, Security Cameras, Home Automation, Energy Control

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
4	24	Solid	BC - Bare Copper	0.020

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PO - Polyolefin	0.036

Twisted Pair Color Code Chart:

Number	Color
1	White/Blue Stripe and Blue
2	White/Orange Stripe and Orange
3	White/Green Stripe and Green
4	White/Brown Stripe and Brown

Individual Shield

Outer Jacket

Outer Jacket Material:



Outer Jacket Diameter:

Nom. Dia. (in.)

Outer Jacket Ripcord:

Yes

Electrical Characteristics

Premise Cable Electricals:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. SRL (dB)	Fitted Imp. (Ohms)
1.0	2.000	62	N/A	23	100 ± 15%
4.0	4.100	53	N/A	23	100 ± 15%
8.0	5.800	48	N/A	23	100 ± 15%
10.0	6.500	47	N/A	23	100 ± 15%
16.0	8.200	44	N/A	23	100 ± 15%
20.0	9.300	42	N/A	23	100 ± 15%
25.0	10.400	41	N/A	22	100 ± 15%
31.25	11.700	39	N/A	21	100 ± 15%
62.5	17.000	35	N/A	18	100 ± 15%
100	22.000	32	N/A	16	100 ± 15%

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
4	14	104x34	BC - Bare Copper	0.075

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Insulation	
Insulation Material:	
Insulation Material Dia. (in.) PO - Polyolefin 0.103	
Insulation Color Code Chart:	
Number Color	
1 Red	
2 White 3 Green	
4 Black	
Individual Shield	
Electrical Characteristics	
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft)	
15.000	
Nominal Velocity of Propagation:	
VP (%) 70.000	
Maximum Conductor DC Resistance:	
DCR @ 20°C (Ohm/100 m) 9.380	
Max. Operating Voltage - UL:	
Voltage 300 V RMS	
Max. Recommended Current:	
Current	
6.4 Amps per conductor @ 25°C	
Other Electrical Characteristic 1:	Third party verified to TIA/EIA-568-B.2, Category 5
Physical Characteristics (Overall)	
Conductor Outer Shield Outer Shield Material:	
Outer Shield Material	
Unshielded	
Outer Jacket	
Outer Jacket Material: Outer Jacket Material	
PVC - Polyvinyl Chloride	
Outer Jacket Ripcord:	Yes
Overall Cable	0.004 in
Overall Nominal Diameter:	0.301 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	105.000 lbs/1000 ft.
Max. Recommended Pulling Tension:	215.000 lbs.
Min. Bend Radius/Minor Axis:	3.000 in.
Applicable Specifications and Agency Compliance (Or Applicable Standards & Environmental Programs	verall)
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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
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	EU Directive 2003/11/EC (BFR):	Yes
	CA Prop 65 (CJ for Wire & Cable):	Yes
	MII Order #39 (China RoHS):	Yes
	Other Specification:	NEMA WC-63.1, Category 5
Fla	me Test	
	UL Flame Test:	UL1666 Riser
	CSA Flame Test:	FT4
Ple	num/Non-Plenum	
	Plenum (Y/N):	No

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Notes (Overall)

Notes: Overall jacket sequentially marked.

Put Ups and Colors:

D Weight Color Notes Item Desc	n# Putup Ship Weight
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Revision Number: 1 Revision Date: 08-23-2012

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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