

## 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. (mm)
4	24	Solid	BC - Bare Copper	0.508

##### Insulation

**Insulation Material:**

Insulation Material	Dia. (mm)
PO - Polyolefin	0.914

**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 Material
PVC - Polyvinyl Chloride

**Outer Jacket Diameter:**

Nom. Dia. (mm)
5.486

**Outer Jacket Ripcord:**

Yes

### Electrical Characteristics

**Premise Cable Electrics:**

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%

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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. (mm)
4	14	104x34	BC - Bare Copper	1.905

##### Insulation

###### Insulation Material:

Insulation Material	Dia. (mm)
PO - Polyolefin	2.616

###### 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/m)
49.215

##### 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

Overall Nominal Diameter:

7.645 mm

### Mechanical Characteristics (Overall)

METRIC MEASUREMENT VERSION

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Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	156.261 Kg/Km
Max. Recommended Pulling Tension:	956.363 N
Min. Bend Radius/Minor Axis:	76.200 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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
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

#### Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Notes (Overall)

Notes: Overall jacket sequentially marked.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7952A 337500	500 FT	59.500 LB	GREEN, LIGHT	C	4PR#24PP + 4#14PO PVC PARA

#### Notes:

C = CRATE REEL PUT-UP.

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