

**Product:** [9262](#) 

Composite Audio, Video, Security and Control



### Product Description

Composite, 22 AWG Coax TC, stranded (7x30), BC braid shield 95% coverage, 12 Cond. 20 AWG TC, stranded (7x28), overall TC braid shield 80% coverage, PVC outer jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Coax
22	Stranded	TC - Tinned Copper	0.031 in		1
20	7x28	TC - Tinned Copper	0.038 in	12	

Conductor Count:	12
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##### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.146 in
PVC - Polyvinyl Chloride	0.07 in

##### Inner Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

##### Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.208 in

##### Outer Shield

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	80%

##### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.46 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR
14.4 Ohm/1000ft	14.4 Ohm/1000ft		2.55 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Operating Voltage:	300 V RMS
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##### Impedance

**Nominal Characteristic Impedance**

75 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
0.5 MHz	0.2 dB/100ft
1 MHz	0.29 dB/100ft
5 MHz	0.67 dB/100ft
10 MHz	0.95 dB/100ft
100 MHz	3.1 dB/100ft
200 MHz	4.4 dB/100ft
400 MHz	6.3 dB/100ft

**Delay**

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78%

**Voltage**

UL Voltage Rating
300 V RMS
300 V RMS
300 V RMS

**Temperature Range**

UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

**Mechanical Characteristics**

Bulk Cable Weight:	150 lbs/1000ft
Max. Pull Tension:	305 lbs
Min. Bend Radius/Minor Axis:	4.75 in

**Standards**

NEC/(UL) Compliance:	CL2X
UL AWM Style Compliance:	UL Style 1007 (Singles), UL Style 1354 (Coax), UL Style 2594 (Overall)
CPR Euroclass:	Eca

**Applicable Environmental and Other Programs**

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

**Suitability**

Suitability - Indoor:	Yes
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**Flammability, LS0H, Toxicity Testing**

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Part Number****Variants**

Item #	Color	Put-Up Type	Length	UPC
9262 008100	Gray	Reel	100 ft	612825225973
9262 0081000	Gray	Reel	1,000 ft	612825225980

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.267 Revision Date: 12-15-2021

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