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

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

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 Temperature 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:	AWM 1007 (singles), AWM 1354 (coax), AWM 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

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

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: 0.352 Revision Date: 05-05-2023

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