



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: 0.353 Revision Date: 04-29-2024
----------------------	--

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[9262 008100](#)