

Product: 7712A ☑



VideoFLEX® Snake, RG6, 5 Coax 18 AWG, Riser

Product Description

VideoFLEX® Digital Coax Snake Cable, RG-6, 5 Coax 18 AWG, solid bare copper conductors, foam HDPE core, Duofoil® + 95% tinned copper braid, Riser, PVC jacket.

Technical Specifications

Product Overview								
Suitable Applications:			Video Mi	ult.				
Physical Characteristics (Overall)								
Conductor								
AWG	Strandi	ing M	aterial	Nomina	l Diameter	No. of Coa	x	
18	Solid	BC - B	are Copper	0.04 in		5		
Condu	uctor Cou	nt:			5			
Insulation								
Material Nominal Diameter								
PE - Polyethylene (Foam) 0.18 in								
Table Notes:		Gas Inje	cted					
Inner Shield								
Туре	Layer		Material		Material T	rade Name	Coverage [%]	
Tape 1 Tri-Laminate (Alum+Poly+Alum)		Duofoil®		100%				

Inner Jacket

Braid 2

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 in

Tinned Copper (TC)

Outer Shield



Outer Jacket

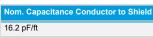
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.97 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	3 Ohm/1000ft	3.0 Ohm/1000ft

Capacitance



Impedance

Nominal Characteristic Impedance 75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

High Frequency (Nominal/Typical)

3 1411 37 1 1 37 11 7			
Frequency [MHz]	Nom. Insertion Loss		
1 MHz	0.24 dB/100ft		
3.58 MHz	0.44 dB/100ft		
5 MHz	0.52 dB/100ft		
7 MHz	0.61 dB/100ft		
10 MHz	0.71 dB/100ft		
67.5 MHz	1.65 dB/100ft		
71.5 MHz	1.69 dB/100ft		
88.5 MHz	1.86 dB/100ft		
100 MHz	1.95 dB/100ft		
135 MHz	2.24 dB/100ft		
143 MHz	2.3 dB/100ft		
180 MHz	2.57 dB/100ft		
270 MHz	3.17 dB/100ft		
360 MHz	3.69 dB/100ft		
540 MHz	4.6 dB/100ft		
720 MHz	5.38 dB/100ft		
750 MHz	5.5 dB/100ft		
1000 MHz	6.42 dB/100ft		
1500 MHz	7.99 dB/100ft		
2000 MHz	9.37 dB/100ft		
2250 MHz	10.01 dB/100ft		
3000 MHz	11.78 dB/100ft		
4500 MHz	14.7 dB/100ft		
6000 MHz	17.7 dB/100ft		

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82%

Voltage

UL Voltage Rating 300 V RMS

Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temperature Range:	-40°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	384 lbs/1000ft
Max. Pull Tension:	345 lbs
Min. Bend Radius/Minor Axis:	10 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 1354 (each coax), AWM 2688 (overall)
CPR Euroclass:	Eca
RG Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No	
---------------	----	--

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
7712A B59500	Black, Matte	Reel	500 ft	612825357254
7712A B591000	Black, Matte	Reel	1,000 ft	612825357261
Footnote:			C - 0	CRATE REEL PU

History

Update and Revision:	Revision Number: 0.399 Revision Date: 12-19-2022
----------------------	--------------------------------------------------

© 2023 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.