



Product: [7801A](#)



Metric Video Triax, #19 Solid SPC, SPC Braid, PVC Jacket, BC Braid, Belflex Jacket

Product Description

19 AWG solid .039" silver-plated copper conductor, gas-injected foam PE insulation, two braids: one silver-plated copper (90%) and one bare copper (80%), PVC inner jacket between braids, Belflex jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
19	Solid	SCCS - Silvered Copper Covered Steel	0.039 in	1
Conductor Count:		1		

Insulation	
Material	Nominal Diameter
PE - Polyethylene (Foam)	0.178 in

Inner Shield			
Type	Material	Coverage [%]	Drainwire Diameter
Braid	Silvered Copper (SC)	90%	0.2 mm

Inner Jacket	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.26 in

Outer Shield			
Type	Material	Coverage [%]	Nominal Diameter
Braid	Bare Copper (BC)	80%	0.282 in

Outer Jacket		
Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Belflex®	0.331 in

Electrical Characteristics

Conductor DCR				
Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
9.33 Ohm/1000ft	9.33 Ohm/1000ft		3.28 Ohm/1000ft	2.76 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Shield	
16.7 pF/ft	

Inductance	
Nominal Inductance	
0.095 µH/ft	

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
1-100 MHz	26 dB
101-300 MHz	23 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.19 dB/100ft
3.58 MHz	0.36 dB/100ft
5 MHz	0.43 dB/100ft
7 MHz	0.51 dB/100ft
10 MHz	0.61 dB/100ft
67.5 MHz	1.76 dB/100ft
71.5 MHz	1.8 dB/100ft
88.5 MHz	2.1 dB/100ft
100 MHz	2.2 dB/100ft
135 MHz	2.6 dB/100ft
143 MHz	2.7 dB/100ft
180 MHz	3 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.5 dB/100ft
540 MHz	5.6 dB/100ft
720 MHz	6.6 dB/100ft
750 MHz	6.7 dB/100ft
1000 MHz	7.9 dB/100ft
1500 MHz	9.9 dB/100ft
2000 MHz	11.6 dB/100ft
2250 MHz	12.4 dB/100ft
3000 MHz	14.5 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.52 ns/ft	81%

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temperature Range:	-50°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	60 lbs/1000ft
Max. Pull Tension:	112 lbs
Min. Bend Radius/Minor Axis:	3.5 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	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 - Black for permanent outdoor installations; all colors suitable for outdoor field deployable use

Plenum/Non-Plenum

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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
7801A X7I328	Red X71	Reel	328 ft	612825355458

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.325 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:](#)

[7801A X7I328](#)