Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

7789A Coax - Bundled Miniature



For more Information please call

1-800-Belden1



General Description:

Miniature, 23 AWG solid .023" bare copper conductors, solid copper, gas-injected foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), overall PVC jacket.

Physical Characteristics (Ove	erall)
Conductor	
AWG:	
# Coax AWG Stranding Condu 5 23 Solid BC - Ba	are Copper 0.023
Total Number of Conductors:	5
Insulation Insulation Material:	
Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High	Density Polyethylene .102
Inner Shield Inner Shield Material:	
Layer # Inner Shield Trade Nam	
1 Duofoil®	Tape Aluminum Foil-Polyester Tape-Aluminum Foil 100
2	Braid TC - Tinned Copper 95
Inner Jacket Inner Jacket Material:	
Inner Jacket Material Nom. Di	ia. (in.)
PVC - Polyvinyl Chloride .159	
Inner Jacket Color Code Chart:	
Number Color	
1 Red	
2 Green 3 Blue	
4 White	
5 Yellow	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material	
PVC - Polyvinyl Chloride	
Overall Cable	
Overall Nominal Diameter:	0.539 in.
Mechanical Characteristics (Overall)
Operating Temperature Range:	-35°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	136 lbs/1000 ft.
Max. Recommended Pulling Ten	sion: 180 lbs.
Min. Bend Radius/Minor Axis:	5.500 in.
	d Agency Compliance (Overall)
Applicable Standards & Environ	-
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS I	II): Yes

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		Yoo		
EU CE Mark:		Yes		
EU Directive 20	00/53/EC (ELV):	Yes		
		Yes		
	02/95/EC (RoHS):			
EU RoHS Comp	bliance Date (mm/dd/yyyy):	01/01/2004		
EU Directive 20	02/96/EC (WEEE):	Yes		
EU Directive 20	03/11/EC (BFR):	Yes		
CA Prop 65 (CJ	for Wire & Cable):	Yes		
MII Order #39 (C	China RoHS):	Yes		
RG Type:		Mini		
lame Test				
UL Flame Test:		UL1666 Vert	ical Shaft	
CSA Flame Tes		FT4		
uitability Suitability - Inde	0.05	Yes		
Suitability - Out		Yes		
lenum/Non-Plen	um			
Plenum (Y/N):		No		
Capacitance (pF/t	conductor to Shield: ft)			
0.106 Jom. Capacitance C Capacitance (pF// 16.5 Jominal Velocity of I VP (%) 83 Jominal Delay: Delay (ns/ft) 1.24 Jom. Conductor DC DCR @ 20°C (Ohr 20.1 Jom. Inner Shield Do	ronductor to Shield: ft] Propagation: Resistance: m/1000 ft) C Resistance:			
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Max. Operating Voltage - UL: Voltage

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300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination

-	Other Electrical Characteristic 2:	Return Loss Tested in Accordance With ASTM D-4566 Paragraph 45.3, Using a 75 Ohm Fixed Bridge and Termination.
Mini	mum Return Loss:	

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	1600.000	23.000
1600.000	4500.000	21.000

Sweep Test

Sweep Testing:

Sweep tested 5 MHz to 4.5 GHz

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7789A B591000	1,000 FT	151.000 LB	BLACK, MATTE	С	5 #23 PE/GIFHDPE SH PVC PVC
7789A B59500	500 FT	75.500 LB	BLACK, MATTE	С	5 #23 PE/GIFHDPE SH PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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