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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Part Number: 9888

50 Ohm Triax RG-8/U Type, 11 AWG BC, FPO, BC Braids, PE Jkt



Product Description

50 Ohm Triax RG-8/U Type, 11 AWG stranded (7x19) .108" bare copper conductor, foam polyethylene insulation, double bare copper braid shield (95% & 80% coverage) polyethylene jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
11	7x19	BC - Bare Copper	0.108 in	1

Conductor Count:	1
Conductor Size:	11 AWG

Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.285 in

Inner Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	96 %

Inner Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.37 in

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %
Braid	BC - Bare Copper	80 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.48 in	0.04 in

Weight:	0.261 lbs
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Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
1.2 Ohm/1000ft	1.2 Ohm/1000ft	2.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
26 pF/ft

Shielding:	Braid(s)
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Inductance

Nominal Inductance

0.065 µH/ft

Impedance

Nominal Characteristic Impedance

50 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.1 dB/100ft
10 MHz	0.5 dB/100ft
50 MHz	1.2 dB/100ft
100 MHz	1.8 dB/100ft
200 MHz	2.7 dB/100ft
400 MHz	4.2 dB/100ft
700 MHz	5.8 dB/100ft
900 MHz	6.7 dB/100ft
1000 MHz	7.1 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
78 ns/100m	1.3 ns/ft	78 %

Voltage

Non-UL Voltage Rating

300 (Between shield) V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-55°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	130 lbs/1000ft
Max Recommended Pulling Tension:	326 lbs
Min Bend Radius/Minor Axis:	5 in

Standards

RG Type:	8/U Type
RG / Series Type:	8/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
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9888 0101000	Black	C
9888 010500	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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