

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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