



**Product:** [9888](#)

50Ω RG-8/U Type, #11 Str BC, FPE Ins, BC Braid, PE inner Jkt, BC Brd, PE Jkt

## Product Description

Triax 50Ω RG-8/U Type, 11 AWG (7x19) bare copper conductor, foam polyethylene insulation, bare copper braid shield (95%), PE Insulation, Bare Copper Braid (80%), polyethylene jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Computer, Instrumentation
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### Construction Details

RG Type:	8
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#### Conductor

Size	Stranding	Nom. Diameter	Material
11 AWG	7x19	0.108 in	BC - Bare Copper

#### Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.285 in (7.24 mm)	White

#### Inner Shield

Layer	Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

#### Inner Jacket

Material	Nom. Diameter
PE - Polyethylene	0.370 in (9.40 mm)

#### Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	80%

#### Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	0.480 in (12.2 mm)

Overall Cable Diameter (Nominal):	0.480 in (12.2 mm)
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## Electrical Characteristics

#### Attenuation

Frequency	Nom. Attenuation
1 MHz	0.10 dB/100ft
10 MHz	0.50 dB/100ft
50 MHz	1.20 dB/100ft
100 MHz	1.80 dB/100ft
200 MHz	2.70 dB/100ft
400 MHz	4.20 dB/100ft

700 MHz	5.80 dB/100ft
900 MHz	6.70 dB/100ft
1000 MHz	7.10 dB/100ft

## Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
1.2 Ohm/1000ft	1.2 Ohm/1000ft (3.9 Ohm/km)	2.1 Ohm/1000ft (6.9 Ohm/km)	26.0 pF/ft (85.3 pF/m)	50 Ohm	78%

## Voltage

Voltage Rating
600 V (Center conductor to inner shield), 300 V (Between shield)

## Mechanical Characteristics

### Temperature

Operating
-55°C to +80°C

### Bend Radius

Installation Min.
4.8 in (120 mm)

Max. Pull Tension:	326 lbs (148 kg)
Bulk Cable Weight:	130 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Outdoor, Sunlight Resistance - Black only, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.493 Revision Date: 04-29-2024
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9888 010500	Black	Reel	500 ft	612825260035	C
9888 0101000	Black	Reel	1,000 ft	612825260028	C

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