



Serial Digital Coax, RG11, #14 Solid BC, Foil + 95% TC braid, Waterblocked

Product Description

RG-11/U type, 14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, Duofoil®; tinned copper braid shield (95% coverage), Flooding Grease, PE jacket.

Technical Specifications

Product Overview

Suitable Applications:	SMPTE 424M 3 Gb/s HD-SDI 1080p		
Physical Characteristics (Overall)			

Conductor

AW	G Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1
Con	ductor Count:	1		

Insulation

Mater	rial	Nomina	l Diameter
PE - Polyethyle	lene (Foam)	0.28 in	
Table Notes:			Gas Injecte

Outer Shield

Type	Layer	Material		Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Pol	ly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)			95%
Table	Table Notes: Outer Shield		ld Flooding Grease		

Outer Jacket

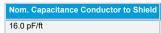
Material	Nominal Diameter
PE - Polyethylene	0.4 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.5 Ohm/1000ft	1.5 Ohm/1000ft

Capacitance



Inductance

Nominal Inductance 0.097 µH/ft

Impedance

Nominal Characteristic Impedance

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5 MHz - 1600 MHz	23 dB
1600 MHz - 4500 MHz	21 dB

High Frequency (Nominal/Typical)

Frequency [MHz] Nom. Insertion Loss 1 MHz 0.16 dB/100ft 3.58 MHz 0.29 dB/100ft 5 MHz 0.34 dB/100ft 7 MHz 0.39 dB/100ft 10 MHz 0.46 dB/100ft 67.5 MHz 1.05 dB/100ft 71.5 MHz 1.09 dB/100ft 88.5 MHz 1.21 dB/100ft 100 MHz 1.28 dB/100ft 135 MHz 1.47 dB/100ft 143 MHz 1.69 dB/100ft 270 MHz 1.97 dB/100ft 360 MHz 2.31 dB/100ft 540 MHz 3.40 dB/100ft 750 MHz 3.45 dB/100ft 1000 MHz 4.12 dB/100ft 1500 MHz 5.10 dB/100ft 2000 MHz 6.04 dB/100ft 2250 MHz 6.43 dB/100ft 3000 MHz 7.63 dB/100ft 4500 MHz 9.56 dB/100ft	riigii i requericy (i	
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2000 MHz 6.04 dB/100ft 2250 MHz 6.43 dB/100ft 3000 MHz 7.63 dB/100ft	1000 MHz	4.12 dB/100ft
2250 MHz 6.43 dB/100ft 3000 MHz 7.63 dB/100ft	1500 MHz	5.10 dB/100ft
3000 MHz 7.63 dB/100ft	2000 MHz	6.04 dB/100ft
	2250 MHz	6.43 dB/100ft
4500 MHz 9.56 dB/100ft	3000 MHz	7.63 dB/100ft
	4500 MHz	9.56 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.20 ns/ft	85%

Voltage

UL Voltage Rating 300 V RMS

Electrical Characteristics Notes: Return Loss: Fixed bridge and termination

Temperature Range

Operating Temperature Range: -55°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	82 lbs/1000ft
Max. Pull Tension:	145 lbs
Min. Bend Radius/Minor Axis:	4 in

Standards

RG Type: 11

Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Water Exposure
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:	No	
MII Order #39 (China RoHS):	Yes	

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	Yes
Suitability - Hazardous Locations:	No
Suitability - Indoor:	No
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	No

Flammability, LS0H, Toxicity Testing

1.0 0 0	000 // DMO
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

	Item #	Color	Put-Up Typ	e Length	UPC
	7731WB 0101000	Black	Reel	1,000 ft	612825188827
Footnote:		C-	- CRATE RI	EEL PUT-UP.	

Product Notes

Notes	:	Flooding grease between jacket and braid. Print legend includes sequential footage marks.
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History

Update and Revision:	Revision Number: 0.381 Revision Date: 11-09-2022

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