

Part Number: 89292

Analog Video, RG11, #14 Solid BC, Foil + 65% TC Braid, FEP Jacket, CMP



Product Description

14 AWG solid .064" bare copper conductor, plenum, foam FEP insulation, Duofoil®; tinned copper braid shield (65% coverage), FEP jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1

Conductor Count:	1
AWG Size:	14

Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.274 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		65 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	Teflon®	0.346 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
2.5 Ohm/1000ft	2.5 Ohm/1000ft		3 Ohm/1000ft	3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance

Nominal Inductance
0.091 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss	Nom. Structural Return Loss (SRL)
1 MHz	0.2 dB/100ft	23 dB

450 MHz	0.4 dB/100ft	
5 MHz	1 dB/100ft	
100 MHz	1.5 dB/100ft	
200 MHz	2.2 dB/100ft	
400 MHz	3.3 dB/100ft	
700 MHz	4.5 dB/100ft	
900 MHz	5.2 dB/100ft	
1000 MHz	5.5 dB/100ft	

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83 %

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
Operating Temp Range:	-70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	73 lbs/1000ft
Max Recommended Pulling Tension:	97 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC/(UL) Specification:	CMP, CATVP
CEC/C(UL) Specification:	CMP
RG Type:	RG-11/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262

Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9292
Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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