



## Product: [7732A](#)

75 Ohm SDI Coax, RG-11, 14 AWG Solid BC, Foil + 95% TC Braid, PVDF Jkt, CMP

### Product Description

75 Ohm SDI Coax, RG-11, 14 AWG Solid Bare Copper Conductor, FEP Insulation, Foil + 95% Tinned Copper Braid Shield, PVDF Jacket, CMP

### Technical Specifications

#### Product Overview

Suitable Applications:	Digital Video, 6 Gb/s UHDTV, HD-SDI 1080p
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#### Construction Details

RG Type:	11
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#### Conductor

AWG	Stranding	Nom. Diameter	Material
14	Solid	0.064 in	BC - Bare Copper

#### Insulation

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in

#### Outer Shield Material

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		95%

#### Outer Jacket Material

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.348 in

### Electrical Characteristics

#### Return Loss (RL)

Frequency [MHz]	Min. Return Loss [dB]
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.15 dB/100ft
3.58 MHz	0.26 dB/100ft
5 MHz	0.3 dB/100ft
7 MHz	0.34 dB/100ft
10 MHz	0.4 dB/100ft
67.5 MHz	1.2 dB/100ft
71.5 MHz	1.24 dB/100ft
88.5 MHz	1.4 dB/100ft

100 MHz	1.5 dB/100ft
135 MHz	1.55 dB/100ft
143 MHz	1.65 dB/100ft
180 MHz	1.83 dB/100ft
270 MHz	2.31 dB/100ft
360 MHz	2.76 dB/100ft
540 MHz	3.57 dB/100ft
720 MHz	4.32 dB/100ft
750 MHz	4.44 dB/100ft
1000 MHz	5.42 dB/100ft
1500 MHz	7.06 dB/100ft
2000 MHz	8.57 dB/100ft
2500 MHz	9.93 dB/100ft
3000 MHz	11.27 dB/100ft
4500 MHz	14.67 dB/100ft
6000 MHz	17.86 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance	Nom. Velocity
2.5 Ohm/1000ft	1.6 Ohm/1000ft	16.3 pF/ft	75 Ohm	83%

#### Voltage

UL Voltage Rating
300 V (CMP)

#### Mechanical Characteristics

##### Temperature

UL Rating	Operating
125°C	-20°C to +125°C

##### Bend Radius

Installation Min.
3.5 in

Bulk Cable Weight:	83 lbs/1000ft
Max. Pull Tension:	145 lbs

#### Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, UV Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262, FT6
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GBT 26572-2011)
Non-Plenum Number:	7731A

#### History

Update and Revision:	Revision Number: 0.354 Revision Date: 09-30-2020
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