



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

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

Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in (6.96 mm)

Outer Shield

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	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.348 in (8.84 mm)

Overall Cable Diameter (Nominal):	0.348 in (8.84 mm)
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Electrical Characteristics

Return Loss (RL)

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

Attenuation

Frequency	Nom. Attenuation
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. Characteristic Impedance	Nom. Velocity of Prop.
2.5 Ohm/1000ft (8.2 Ohm/km)	1.6 Ohm/1000ft (5.2 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Installation Min.
3.5 in

Max. Pull Tension:	145 lbs (65.8 kg)
Bulk Cable Weight:	83 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, UV Resistance
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262, FT6
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	7731A

History

Update and Revision:	Revision Number: 0.372 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
7732A 010500	Black	Reel	500 ft	612825188872
7732A 0101000	Black	Reel	1,000 ft	612825188858
7732A 0101200	Black	Reel	1,200 ft	612825438250
7732A 0103000	Black	Reel	3,000 ft	612825188865
7732A 0061000	Blue, Light	Reel	1,000 ft	612825188841
7732A 877500	Natural	Reel	500 ft	612825188896
7732A 8771000	Natural	Reel	1,000 ft	612825188889
7732A 0041000	Yellow	Reel	1,000 ft	612825188834

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