Belden



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

Construction Details

RG Type:	11

Conductor

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

Insulation

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

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)

Electrical Characteristics

Return Loss

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	1.84 dB/100ft
180 MHz	2.09 dB/100ft
270 MHz	2.60 dB/100ft
360 MHz	3.10 dB/100ft
540 MHz	3.89 dB/100ft
720 MHz	4.57 dB/100ft
750 MHz	4.68 dB/100ft
1000 MHz	5.50 dB/100ft
1500 MHz	7.06 dB/100ft
2000 MHz	8.57 dB/100ft
2500 MHz	9.20 dB/100ft
3000 MHz	10.2 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	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 (89 mm)

Max. Pull Tension:	145 lbs (65.8 kg)
Bulk Cable Weight:	75 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorIndoor - Plenum, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
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: 0.514 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
7732A 010500	Black	Reel	500 ft	612825188872	C
7732A 0101000	Black	Reel	1,000 ft	612825188858	C
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	C
7732A 877500	Natural	Reel	500 ft	612825188896	C
7732A 8771000	Natural	Reel	1,000 ft	612825188889	C
7732A 0041000	Yellow	Reel	1,000 ft	612825188834	C

Footnote:	C - CRATE REEL PUT-UP.

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