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1-800-Belden1



General Description:

RG-11/U type, 14 AWG solid .064" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (95% coverage), fluorocopolymer jacket.

Usage (Overall)

Suitable Applications: SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080p

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BC - Bare Copper	1.6256

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	6.9596

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 8.839 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +125°C

Bulk Cable Weight: 123.521 Kg/Km

Max. Recommended Pulling Tension: 644.989 N

Min. Bend Radius/Minor Axis: 88.900 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

RG Type: 11/U

Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes - When supported by messenger wire

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 7731A

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.298571

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.4803

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/m)

4.00282

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

8.2025

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

5.2496

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.492
3.580	0.853
5.000	0.984
7.000	1.116
10.000	1.312
67.500	3.937
71.500	4.068
88.500	4.593
100.000	4.922
135.000	5.086
143.000	5.414
180.000	6.004
270.000	7.579
360.000	9.056
540.000	11.713
720.000	14.174
750.000	14.568
1000.000	17.783
1500.000	23.164
2000.000	28.118
2500.000	32.580
3000.000	36.977
4500.000	48.132
6000.000	58.599

Max. Operating Voltage - UL:

Voltage

METRIC MEASUREMENT VERSION

7732A Coax - Low Loss Serial Digital Coax

300 V RMS

Other Electrical Characteristic 1: TDR Impedance: 75 +/- 3 Ohms

Other Electrical Characteristic 2: Return Loss: Fixed bridge and termination.

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1600.000	23.000
1600.000	4500.000	21.000
4500.000	6000.000	15.000

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 6 GHz.

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7732A 0041000	1,000 FT	90.000 LB	YELLOW	C	#14 FFEP SH PVDF
7732A 0061000	1,000 FT	90.000 LB	BLUE, LIGHT	C	#14 FFEP SH PVDF
7732A 0101000	1,000 FT	90.000 LB	BLACK	C	#14 FFEP SH PVDF
7732A 0101200	1,200 FT	106.800 LB	BLACK		#14 FFEP SH PVDF
7732A 010500	500 FT	45.000 LB	BLACK	C	#14 FFEP SH PVDF
7732A 8771000	1,000 FT	90.000 LB	NATURAL	C	#14 FFEP SH PVDF
7732A 877500	500 FT	45.000 LB	NATURAL	C	#14 FFEP SH PVDF

Notes:

C = CRATE REEL PUT-UP.

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