

GLOBAL CONNECTIVITY SOLUTIONS

C. M. M.

75 Ohm 12G SDI BNC Male to BNC Male Cable Assembly using 4694R-WH Coax, 3 FT

LCCA30725/WH-FT3

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: Belden 4694R-WH

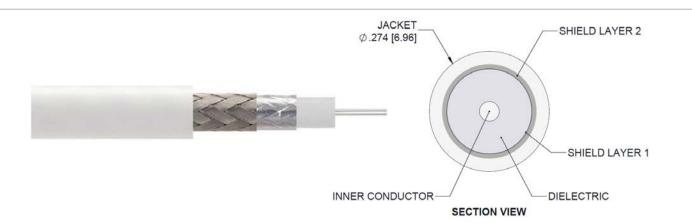
Features

- Meets SMPTE ST 2082-1
- Backwards Compatible with 2081-1

Applications

- 12G-SDI, Video, and Broadband UHDTV
- Broadband Internet Delivery
- Broadcast A/V

- 12Gb/s Transmission
- Cost Effective
- 4K/8K Video Equipment
- Medical Equipment Requiring High Speed Video
- HD Cameras



Description

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L-com's LCCA30725/WH-FT3 is a 75 Ohm 12G SDI BNC male to BNC male cable assembly using 4694R-WH coax, 3 FT and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com BNC to BNC cable assembly has a male to male gender configuration with 75 Ohm flexible Belden 4694R-WH series coax and operates to 12 GHz and enables 12Gb/s data transfer rates for high resolution uncompressed video signal transmission. These products offer 4K and Ultra-HD quality signals that meet SMPTE Standard 2082-1. The shielding of this BNC cable is comprised of aluminum polyester.

Custom versions of this BNC male to BNC male cable, along with the rest of L-com's other RF assemblies, can also be built and shipped same day. Other available RF cable assembly value added services from L-com include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly. Contact a sales representative for testing or custom RF cable quotes. Part number LCCA30725/WH-FT3 L-com 75 Ohm 12G SDI BNC Male to BNC Male Cable Assembly using 4694R-WH Coax, 3 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units



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LCCA30725/WH-FT3

Frequency Range DC		12	GHz
VSWR		1.5:1	
Velocity of Propagation	84.5		%
Group Delay	1.2 [3.94]		ns/ft [ns/m]
Capacitance	15.9 [52.17]		pF/ft [pF/m]
Inductance	0.106 [0.35]		uH/ft [uH/m]
DC Resistance Inner Conductor	6.4 [21]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor	2.8 [9.19]		Ohms/1000ft [Ohms/Km]
Operating Voltage (AC)		300	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units	
Frequency	0.5	1	2.5	5	12	GHz	
Insertion Loss (Typ.)	0.33	0.38	0.49	0.62	0.89	dB	

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly Length Diameter	36 in [914.4 mm] 0.5 in [12.7 mm]
Weight	0.1 lbs [45.36 g]
Cable Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material Jacket Diameter	Belden 4694R-WH 75 Ohms Solid Copper, Silver HDPE 1 Aluminum Polyester Tinned Copper PVC, White 0.274 in [6.96 mm]



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Connectors

Description	Connector 1	Connector 2	
Туре	BNC Male	BNC Male	
Impedance	75 Ohms	75 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	10 µin minimum	10 µin minimum	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating	Brass, Nickel	Brass, Nickel	
Outer Conductor Plating Specification	50 µin minimum	50 µin minimum	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100 µin minimum	100 µin minimum	
Seal Gasket Material	Silicone		

Environmental Specifications

Temperature

Operating Range

-30 to +75 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

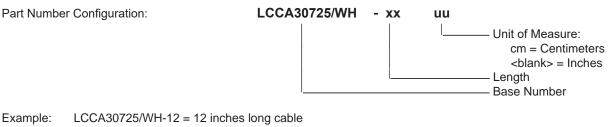
Values at 25°C, sea level.



75 Ohm 12G SDI BNC Male to BNC Male Cable Assembly using 4694R-WH Coax, 3 FT

LCCA30725/WH-FT3

How to Order



LCCA30725/WH-100cm = 100 cm long cable

75 Ohm 12G SDI BNC Male to BNC Male Cable Assembly using 4694R-WH Coax, 3 FT from L-com has same day shipment for domestic and International orders. L-com is a leading manufacturer of wired and wireless connectivity products and committed to instock availability and same day shipping. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.ontained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not marke any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED. APPROVED AGANWANI THIRD-ANGLE PROJECTION ∢ \downarrow R Ь A/A ~ $(\mathbf{\Phi})$ LCCA30725/ZZ 4/29/22 DATE SHEET SCALE 50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA. Phone: 1.800.341.5266 | 1.978.682.6936 Fax: 1.978.689.9484 E-mail: CustomerService@L-com.com REVISIONS an INFINITe brand ITEM NO. Website: www.L-com.com INITIAL RELEASE DESCRIPTION BNC MALE HBAKKE DRAWN BY CAGE CODE 43321 REV. ∢ SIZE ∢ L = 12 [305] = +1 [25] / -0 12 [305] = L = 120 [304] = -2 [51] / -0 60 [1524] = L = 120 [3048] = 44 [102] / -0 120 [3048] < L = 3300 [7520] = 46 [152] / -0 300 [7520] = 1 = +3%L / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE OULY. DLERANCES: 5.081 | FRACTIONS ± 1/32 ANGLES ± 1° UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS CABLE LENGTH (L) TOLERANCES COAX CABLE COLOR ORANGE YELLOW VIOLET GREEN BLACK WHITE RED $X = \pm .2$ [5.08] $XX = \pm .02$ [.51] $XXX = \pm .005$ [.13] BLUE LENGTH MEASURED FROM CONTACT TO CONTACT -4694R COAX CABLE Z = CABLE COLOR DESIGNATION) THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. LCCA30725/YW LCCA30725/OR LCCA30725/BK LCCA30725/GR LCCA30725/RD LCCA30725/VL LCCA30725/WH LCCA30725/BL LCCA30725/ZZ 2X HEAT SHRINK BOOT 27 **BNC MALE** D Π

L-com CAD Drawing

Rev.D