75 Ohm 6G SDI HD-BNC Male to 1.0/2.3 Male Cable Assembly using 1855A-BR Coax, 3 FT

LCCA30858/BR-FT3

Configuration

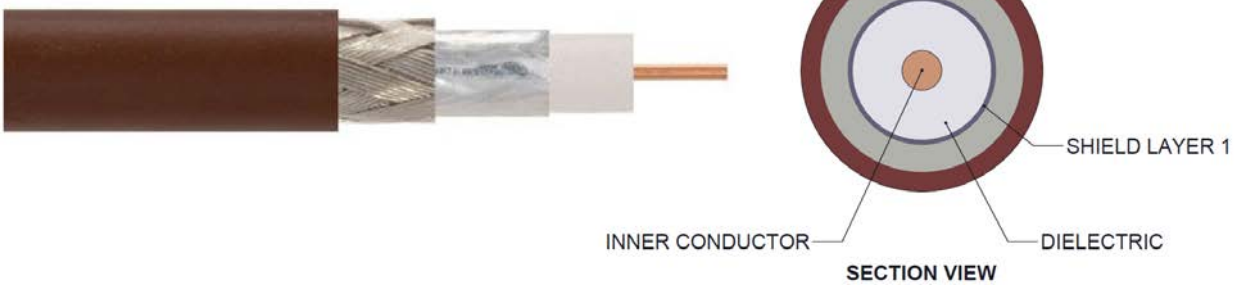
- Connector 1: HD-BNC Male
- Connector 2: 1.0/2.3 Male
- Cable Type: Belden 1855A-BR

Features

- Meets SMPTE ST 2081-1
- 6Gb/s Transmission
- Cost Effective

Applications

- 6G-SDI, Video, and Broadband UHDTV
- Broadband Internet Delivery
- Broadcast A/V
- 4K/8K Video Equipment
- Medical Equipment Requiring High Speed Video
- HD Cameras



Description

L-com's LCCA30858/BR-FT3 is a 75 Ohm 6G SDI HD-BNC male to 1.0/2.3 male cable assembly using 1855A-BR coax, 3 FT and ships same-day. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com HD-BNC to 1.0/2.3 cable assembly has a male to male gender configuration with 75 Ohm flexible 1855A-BR series coax and operates to 6 GHz and enables 6Gb/s data transfer rates for high resolution uncompressed video signal transmission. These products offer 4K and Ultra-HD quality signals that meet SMPTE Standard 2081-1. The shielding of this HD-BNC cable is comprised of aluminum polyester.

Custom versions of this HD-BNC male to HD-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 LCCA30858/BR-FT3 L-com 75 Ohm 6G SDI HD-BNC Male to 1.0/2.3 Male Cable Assembly using 1855A-BR 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

75 Ohm 6G SDI HD-BNC Male to 1.0/2.3 Male Cable Assembly using 1855A-BR Coax, 3 FT

LCCA30858/BR-FT3

Frequency Range	DC		4.5	GHz
VSWR			1.4:1	
Velocity of Propagation		82		%
Group Delay		1.22 [4]		ns/ft [ns/m]
Capacitance		16.3 [53.48]		pF/ft [pF/m]
Inductance		0.107 [0.35]		uH/ft [uH/m]
DC Resistance Inner Conductor		20.1 [65.94]		Ohms/1000ft [Ohms/Km]
Operating Voltage (AC)			300	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4.5	GHz
Insertion Loss (Typ.)	0.3	0.36	0.42	0.52	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	36 in [914.4 mm]
Diameter	0.5 in [12.7 mm]
Weight	0.1 lbs [45.36 g]

Cable

Cable Type	Belden 1855A-BR
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	HDPE
Number of Shields	1
Shield Layer 1	Aluminum Polyester
Shield Layer 2	Tinned Copper
Jacket Material	PVC, Brown
Jacket Diameter	0.159 in [4.04 mm]

75 Ohm 6G SDI HD-BNC Male to 1.0/2.3 Male Cable Assembly using 1855A-BR Coax, 3 FT

LCCA30858/BR-FT3

Connectors

Description	Connector 1	Connector 2
Type	HD-BNC Male	1.0/2.3 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, Gold
Outer Conductor Plating Specification	100 µin minimum	3 µin minimum
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

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 6G SDI HD-BNC Male to 1.0/2.3 Male Cable Assembly using 1855A-BR Coax, 3 FT

LCCA30858/BR-FT3

How to Order

Part Number Configuration: **LCCA30858/BR - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- LCCA30858/BR — Base Number

Example: LCCA30858/BR-12 = 12 inches long cable
LCCA30858/BR-100cm = 100 cm long cable

75 Ohm 6G SDI HD-BNC Male to 1.0/2.3 Male Cable Assembly using 1855A-BR 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 in-stock 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.

L-com CAD Drawing