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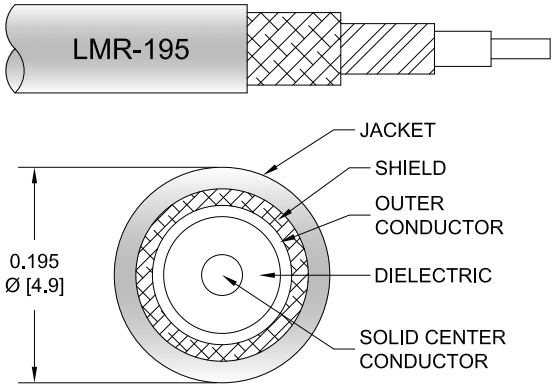
10 FT 7/16 to 7/16 M/F Bulkhead 195 Series Low Loss Cable Jumper



CA195LL034-10FT

Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: 7/16 DIN Female Bulkhead
- Cable Type: PPBC-195LL



Features

- LMR Equivalent Coax
- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Low Insertion Loss
- Double Shielded
- PE Jacket
- One Time Bend Radius of 0.5 Inches

Applications

- General Purpose
- Laboratory Use
- Antenna Installations
- Land Mobile Radio & Other Communication Systems
- Cellular & Wi-Fi Systems

Description

PolyPhaser CA195LL034-10FT is a 10 foot 7/16 to 7/16 M/F Bulkhead 195 Series Low Loss Cable Jumper is built using high quality components by skilled technicians to ensure a reliable product. The 7/16 M and 7/16 FBH cable jumper connections are designed to industry standard interface dimensions to ensure superior performance. This product is in stock and available for same day shipping. FBH interfaces allow cables to be attached to a bracket to fix the cable and reduce unwanted movement. In addition, FBH connectors are often used as an input/output to a piece of equipment or enclosure. This high-quality RF coaxial assembly is perfect in many RF Interconnect applications such as Wi-Fi, Land Mobile Radio (LMR), military / defense, and many other RF systems. The CA195LL034-10FT 7/16 to 7/16 cable assembly is the perfect companion to PolyPhaser line of RF surge protection devices particularly when used as an antenna jumper cable.

The 195 Series coax used in these 7/16 to 7/16 assemblies is a 0.195 inch diameter coax with a black PE jacket. This cable's foam PE dielectric is low loss material with a phase velocity of 80% reducing the attenuation when compared to solid dielectric coax cables. PolyPhaser Low Loss 195 Series coax has a solid center conductor and uses a double shield consisting of a wire braid over a foil tape construction providing >90% shielding effectivity. The construction and materials of the CA195LL034-10FT result in a coax cable assembly with 0.5 inch one time bend radius and a repeat bend radius of 2 inches. The cable assembly's combination of 7/16 to 7/16 M/FBH and 195 Series Low Loss Cable supports a maximum operating frequency of 5.8 GHz. You can find detailed performance specifications in the product datasheet. Processes and procedures are in place to ensure products meet the published specifications.

For additional strength, these 7/16 M to 7/16 FBH cable assemblies have polyolefin heat shrink strain relief boots on both ends of the RF Cable Assembly Jumpers. The heat shrink booting uses a double walled epoxy filled material to prolong the life of the assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
10 FT 7/16 to 7/16 M/F Bulkhead 195 Series Low Loss Cable Jumper CA195LL034-10FT

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.5:1	
Velocity of Propagation		80		%
RF Shielding	90			dB
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Operating Voltage (AC)			2,700	Vrms
Jacket Spark			5,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Max.)	0.8	1	1.4	2.1	3.2	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Size

Length	120 in [304.8 cm]
Diameter	0.195 in [4.95 mm]
Weight	0.741 lbs [336.11 g]

Cable

Cable Type	PPBC-195LL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	7/16 DIN Female Bulkhead
Specification	IEC 61169-4	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Silver	Beryllium Copper, Silver
Contact Plating Specification	5 µm minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	2 µm minimum	
Coupling Nut Material and Plating	Brass, Tri-Metal	
Coupling Nut Plating Specification	2 µm minimum	
Hex Size	1 1/4 inch	
Torque	18.417 ft-lbs [24.97 Nm]	

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C

Compliance Certifications

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 10 FT 7/16 to 7/16 M/F Bulkhead 195 Series Low Loss Cable Jumper CA195LL034-10FT

URL: https://www.polyphaser.com/10-ft-7-16-to-7-16-m-f-bulkhead-195-series-low-loss-cable-jumper-p.aspx

The information contained in 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 implement improvements. PolyPhaser reserves the right to make such changes

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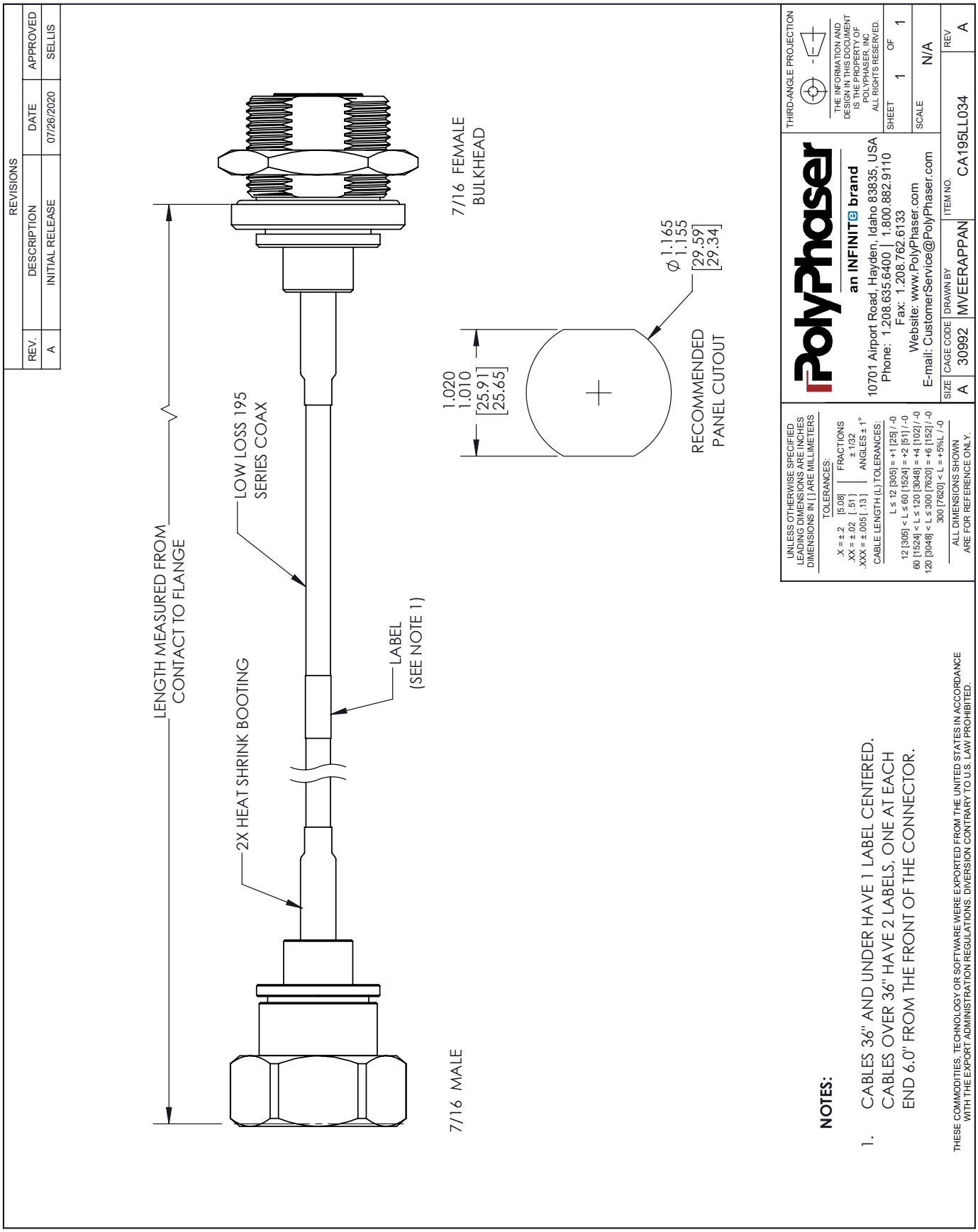


CA195LL034-10FT

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CA195LL034-10FT CAD Drawing



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