

Plenum Low Loss BNC Male to TNC Male Cable LMR-195-LLPX Coax

FMCA100036

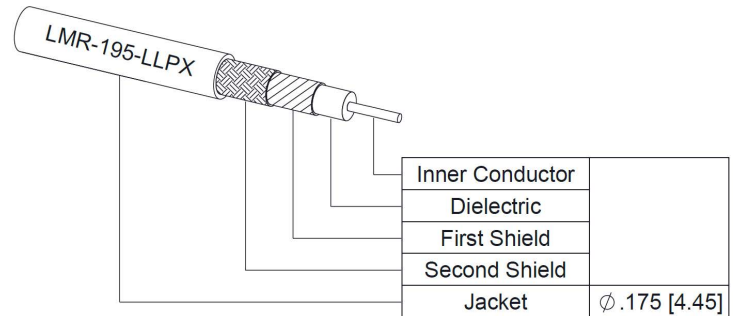


Configuration

- Connector 1: BNC Male
- Connector 2: TNC Male
- Cable Type: LMR-195-LLPX
- Coax Cable Group: 3
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PVC (FR) Jacket



Applications

- General Purpose
- Laboratory Use

Description

The BNC male to TNC male cable using LMR-195-LLPX coax, part number FMCA100036, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to TNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-195-LLPX coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ohms/1000ft [Ohms/Km]
Jacket Spark			3,000	Vrms

Mechanical Specifications

Cable Assembly
Width/Diameter

0.5 in [12.7 mm]

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Weight	0.095 lbs [43.09 g]
Cable	
Cable Type	LMR-195-LLPX
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE (LD)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC (FR), Orange
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]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	40 lbs [18.14 Kg]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	TNC Male
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Silver
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Silver
Coupling Nut Plating Specification	100 µin minimum	

Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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FMCA100036

Typical Performance Data

How to Order

Part Number Configuration: **FMCA100036** **- xx** **uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length
Base Number

Example: FMCA100036-12 = 12 inches long cable
FMCA100036-100cm = 100 cm long cable

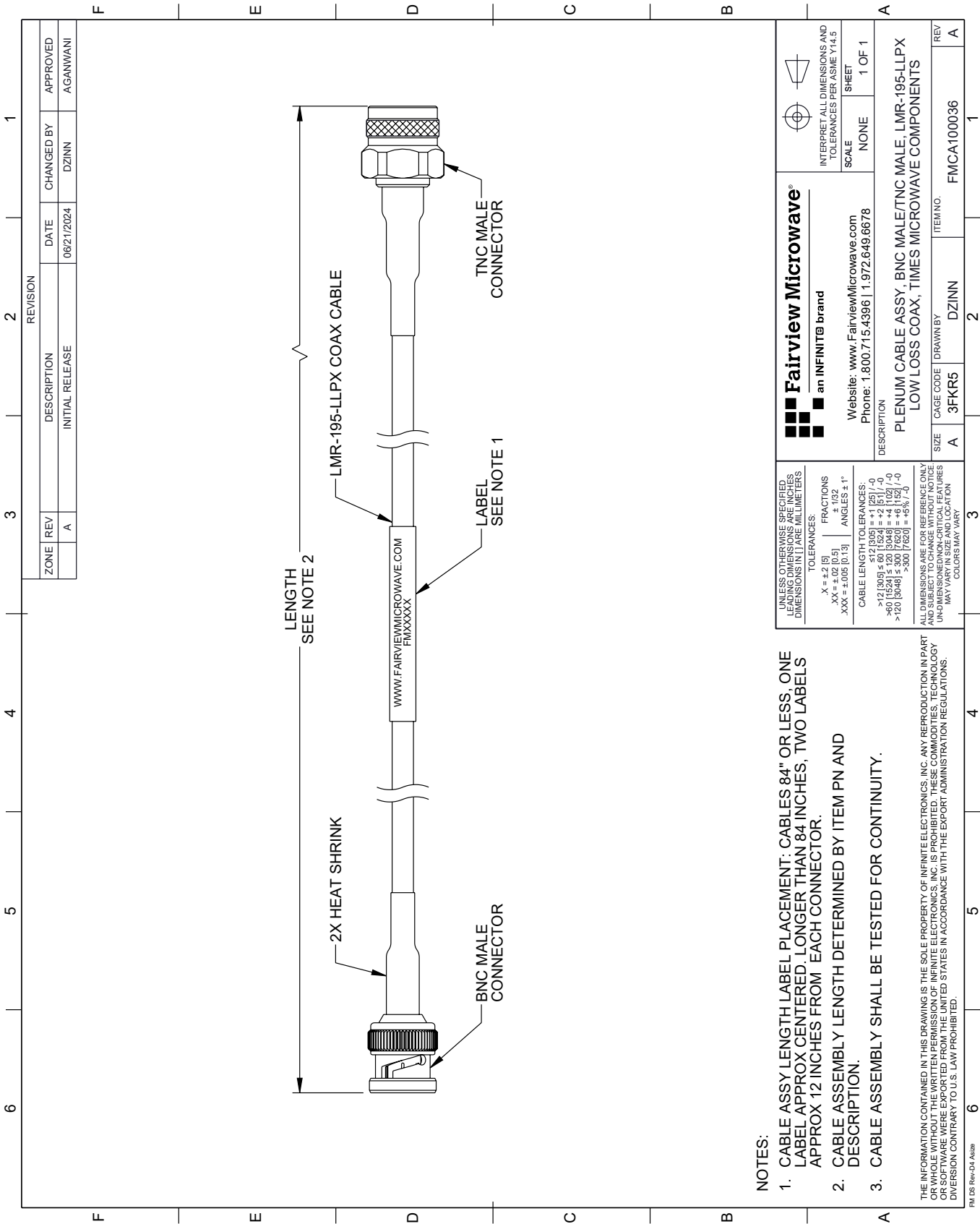
Plenum Low Loss BNC Male to TNC Male Cable LMR-195-LLPX Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Plenum Low Loss BNC Male to TNC Male Cable LMR-195-LLPX Coax FMCA100036](#)

URL: <https://www.fairviewmicrowave.com/plenum-low-loss-bnc-male-to-tnc-male-cable-lmr-195-llpx-coax-fm-ca100036-p.aspx>

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 implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCA100036 CAD Drawing
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- 1. CABLE ASSY LENGTH LABEL PLACEMENT: CABLES 84" OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 84 INCHES, TWO LABELS APPROX 12 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- 3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, TRAILING DIMENSIONS ARE IN MILLIMETERS		Fairview Microwave® an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		SCALE NONE	
X = ±.2 (5) .XX = ±.02 (0.5) .XXX = ±.005 (0.13)		FRACTIONS ± 1/32 ANGLES ± 1°		SHEET 1 OF 1	
CABLE LENGTH TOLERANCES:		DESCRIPTION PLENUM CABLE ASSY, BNC MALE/TNC MALE; LMR-195-LLPX LOW LOSS COAX, TIMES MICROWAVE COMPONENTS			
>12 (305) ≤ 60 (1524) = ±.1 (25) / -0		SIZE A		REV A	
>60 (1524) ≤ 120 (3048) = ±.1 (25) / -0		CAGE CODE 3FKR5		ITEM NO. FMCA100036	
>120 (3048) ≤ 300 (7620) = ±.1 (25) / -0		DRAWN BY DZINN			
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. COLORS MAY VARY.					

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