

## Low Loss RA TNC Male to MCX Plug Cable RG174 Coax in 150 CM

The RA TNC male to MCX plug 150 cm cable using RG174 coax, part number FMC00250-150CM, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to MCX cable assembly has a male to plug gender configuration with 50 ohm flexible RG174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00250-150CM TNC male to MCX plug cable assembly operates to 1 GHz. The right angle TNC interface on the RG174 cable allows for easier connections in tight spaces.

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	Min	Typ	Max	Units
Frequency Range	DC		1,000	MHz
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.52	0.71	0.97	1.34	1.87	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. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

### Mechanical Specifications

#### Cable Assembly

Length*	59.05 in [149.99 cm]
Diameter	0.57 in [14.48 mm]

#### Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]



#### Configuration:

- TNC Male Right Angle
- MCX Plug
- RG174

#### Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

#### Applications:

- General Purpose
- Laboratory Use

## Connectors

Description	Connector 1	Connector 2
Type	TNC Male	MCX Plug
Specification		CECC 22220
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.		30 $\mu$ m minimum
Dielectric Type	Delrin	PTFE
Body Material & Plating	Brass, Nickel	Brass, Gold
Body Plating Spec.		3 $\mu$ m minimum
Coupling Nut Material & Plating	Brass, Nickel	

## Environmental Specifications

## Temperature

Operating Range -40 to +80 deg C

## Compliance Certification

## Notes.

## Part Number Configuration

FMC00250 - xx HH

cm = Centimeters  
<blank> = Inches  
Length

Example: FMC00250-12 = 12 inches long cable  
FMC00250-100cm = 100 cm long cable

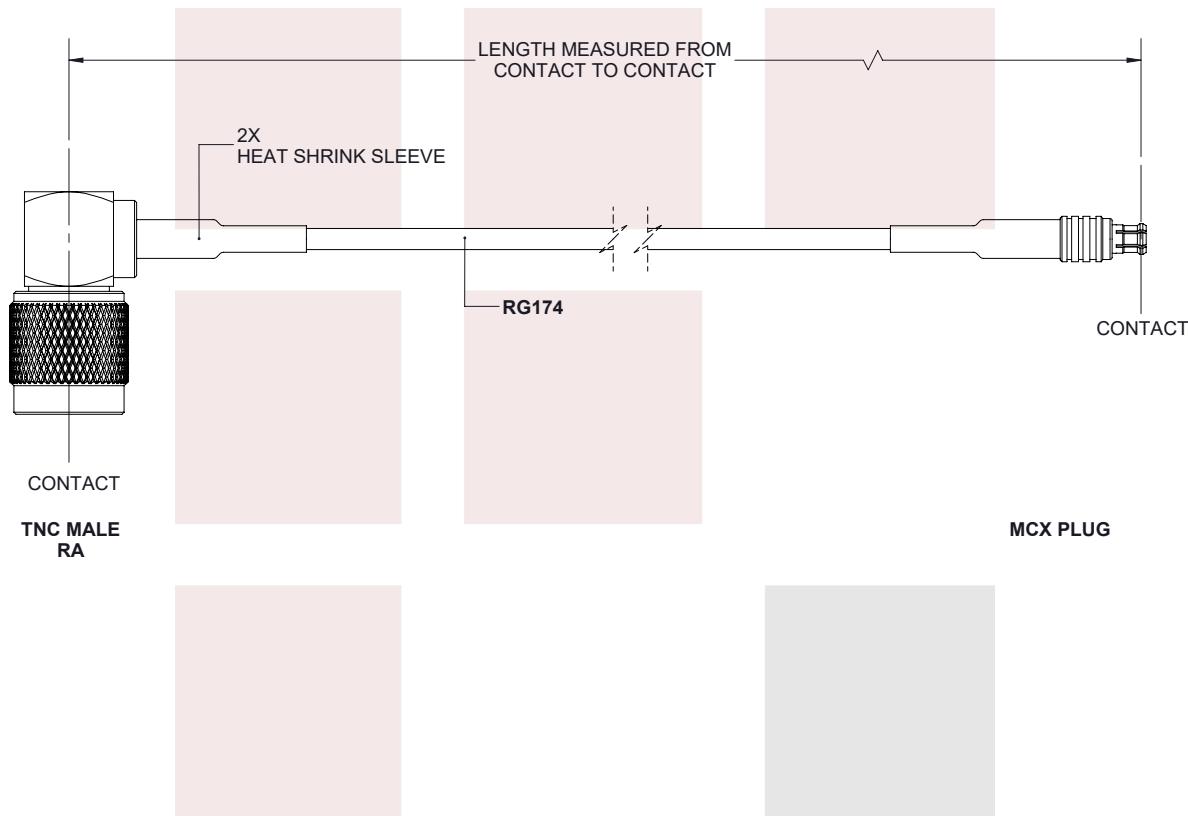
Low Loss RA TNC Male to MCX Plug Cable RG174 Coax in 150 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Low Loss RA TNC Male to MCX Plug Cable RG174 Coax in 150 CM FMC00250-150CM](#)

URL: <https://www.fairviewmicrowave.com/low-loss-ra-tnc-male-mcx-plug-cable-rq174-coax-fmc00250-150cm-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. 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 any liability, arising out of the use of any part or documentation.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/24/2020	S.ELLIS



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	TOLERANCES:	CABLE LENGTH (L) TOLERANCES:	
TITLE  Low Loss RA TNC Male to MCX Plug Cable RG174 Coax in 150 CM	.X = ± 2 [5.08] FRACTIONS .XX = ± .02 [.51] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1°	L ≤ 12 [305] = +1 [25] / -0 60 [1524] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	SHEET 1 OF 1
	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE N/A
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMC00250 REV A

T-Rev.D