

## TNC Male (Plug) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder

TNC male connector with crimp/solder attachment for RG58, RG303, RG141, LMR-195, LMR-195-FR and 0.195 inch, part number SC4262, from Fairview Microwave is in-stock and ships same day. This TNC male connector operates up to a maximum frequency of 4 GHz.

Fairview's TNC male connector SC4262 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		4	GHz
Operating Voltage (AC)			375	Vrms

### Mechanical Specifications

<b>Size</b>	
Length	1.157 in [29.39 mm]
Width/Dia.	0.571 in [14.50 mm]
Height	0.571 in [14.5 mm]
Weight	0.0395 lbs [17.92 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

### Environmental Specifications

#### Temperature

Operating Range -40 to +85 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 4 GHz Max.
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

TNC Male (Plug) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder 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.

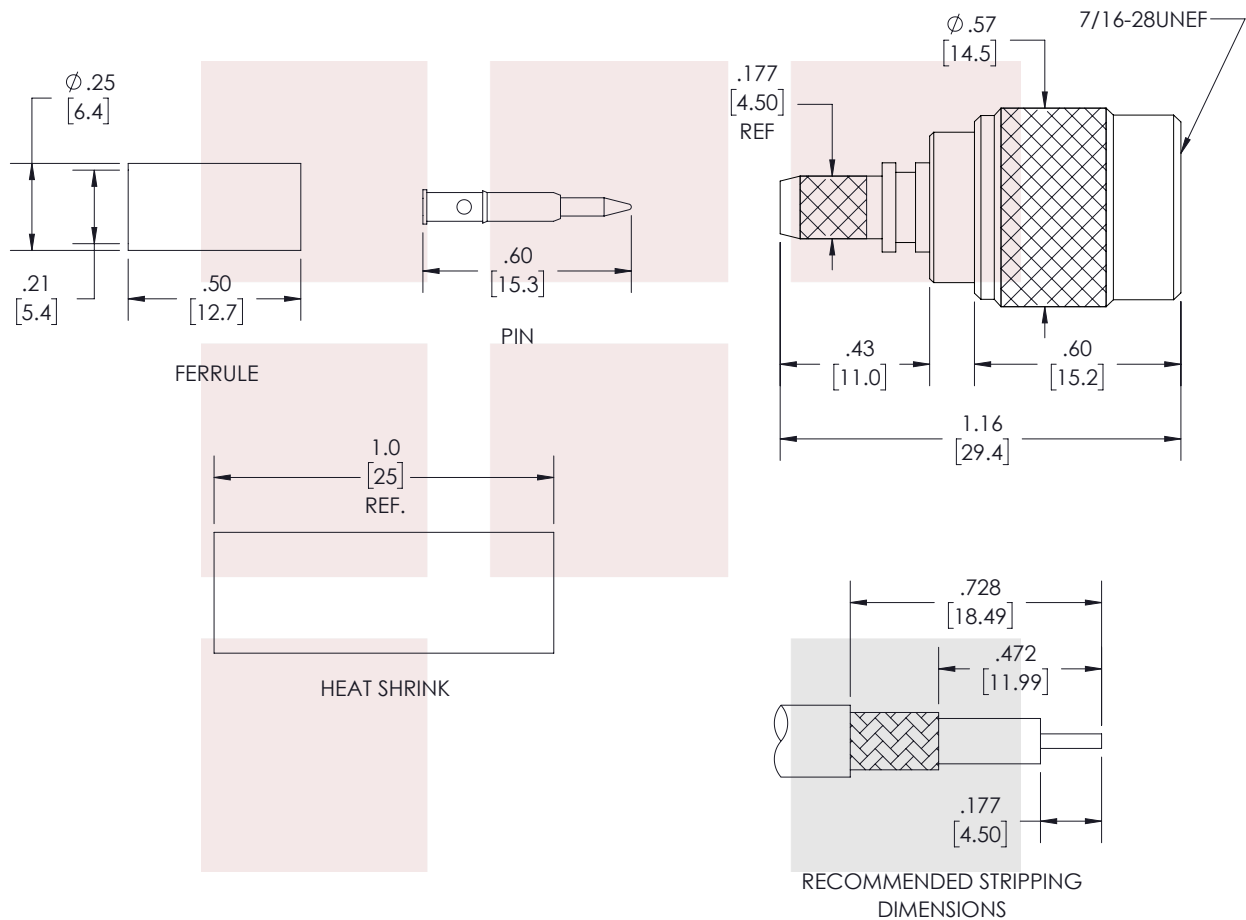
For additional information on this product, please click the following link: [TNC Male \(Plug\) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder SC4262](#)

URL: <https://www.fairviewmicrowave.com/tnc-male-standard-rg58-lmr-195-connector-sc4262-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR SC4262 20220517	06/15/2022	SRAUTUS



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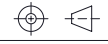
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THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	BPUCHASKI	SC4262	B

T-Rev.D

## TNC Male (Plug) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder

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## Times Microwave LMR-LW195 Low Loss Flexible Coax Cable Black PE Jacket Light Weight

### Times Microwave Systems Coax Cable Specification

LMR-LW195 Light weight version of the 195 series Low Loss Coax from Times Microwave is part of the large product offering by Fairview Microwave of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Fairview Microwave LMR-LW195 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss and light weight flexible 50 Ohm coax cable LMR-LW195 is constructed with a 0.195 inch diameter and Black PE jacket.

LMR-LW195 flexible 50 Ohm coax cable with PE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.195 inch diameter and low loss flexible coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-LW195 PE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Fairview Microwave's offering of LMR-LW195 coax cable provides specs for this wire on its RF coax cable LMR-LW195 datasheet.

LMR-LW195 cable is part of more than one million RF, microwave parts in stock at Fairview Microwave. This Times Microwave low loss and light weight LMR-LW195 coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave components.

\* LMR™ is a trademark of Times Microwave Systems.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
Time Delay		1.27 [4.17]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
DWV (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resist.			7.6	Ohms/1000ft
Outer Conductor DC Resist.			18.1	Ohms/1000ft
Nominal Capacitance		25.4		pF/ft
		[83.33]		[pF/m]
Nominal Inductance		0.064		uH/ft
		[0.21]		[uH/m]
Input Power (Peak)			2.5	kWatts

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.15	0.45	0.9	1.5	GHz
Attenuation, Typ	2.5	4.4	7.8	11.1	14.5	dB/100ft
	8.2	14.44	25.59	36.42	47.57	dB/100m



### Configuration:

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

### Features:

- Max Operating Frequency of 8 GHz
- Phase Velocity 80% VoP
- Aluminum Shielding Resulting in a Light Weight Coax
- Max Operating Temperature +85°C
- PE Jacket
- Min Install Bend Radius of 0.5 inches

### Applications:

- General Purpose RF Interconnect
- Laboratory Applications
- Antenna Installs
- RF Test Systems
- Wireless Communications

Fairview Microwave  
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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Power In (CW), Max	680	390	220	160	120	Watts
<b>Description</b>	<b>F6</b>	<b>F7</b>	<b>F8</b>	<b>F9</b>	<b>F10</b>	<b>Units</b>
Frequency	1.8	2	2.5	5.8	8	GHz
Attenuation, Typ	16	16.9	19	29.9	35.7	dB/100ft
	52.49	55.45	62.34	98.1	117.13	dB/100m
Power In (CW), Max	110	100	90	60	40	Watts

### Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.015 lbs/ft [0.02 kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Tensile Strength	40 lbs [18.14 kg]
Flat Plate Crush	15 lbs/in [0.27 kg/mm]

### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	Foam PE	0.11 in [2.79 mm]
First Shield	Aluminum Tape	[ ]
Second Shield	Aluminium	[ ]
Jacket	PE, Black	0.195 in [4.95 mm]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

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

### Plotted and Other Data

Notes:

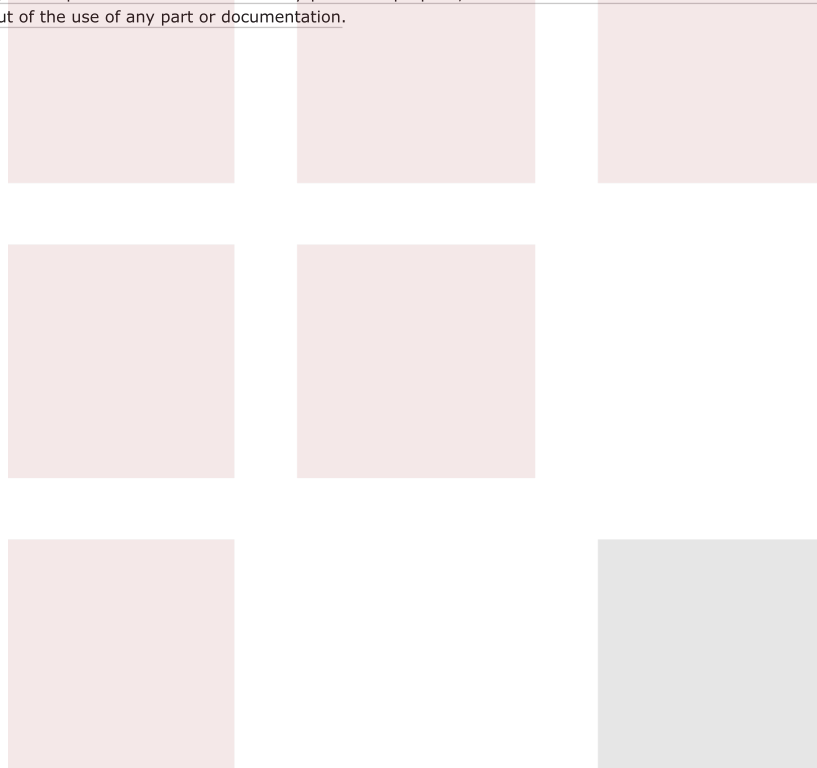


Times Microwave LMR-LW195 Low Loss Flexible Coax Cable Black PE Jacket Light Weight from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

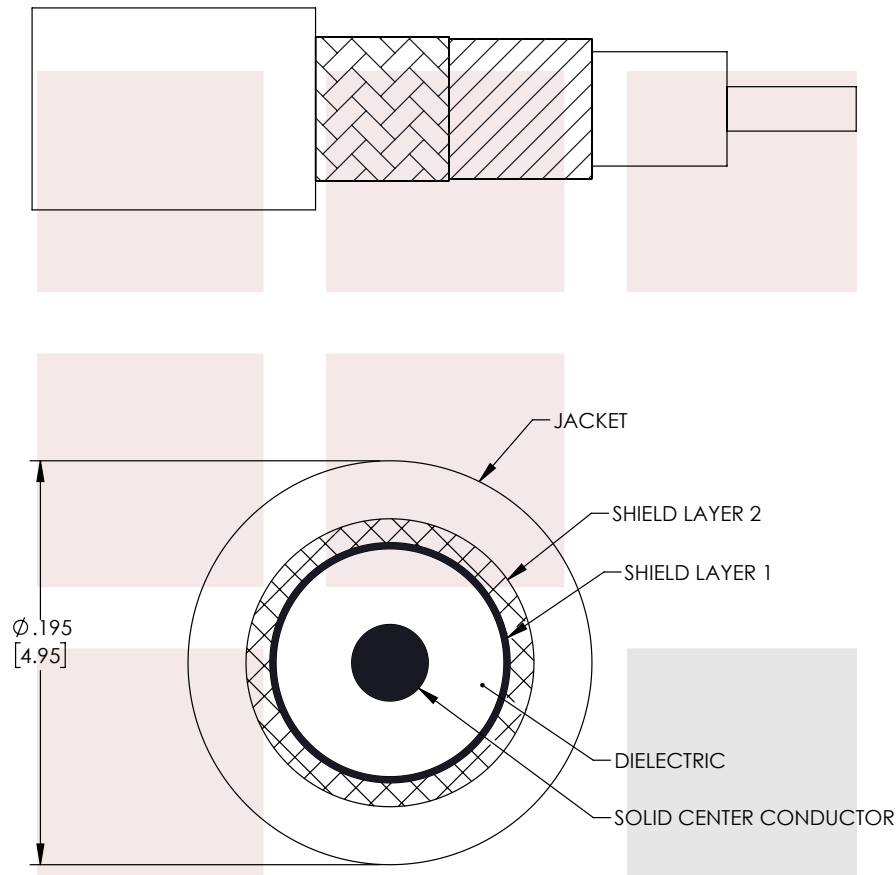
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06-04-2021	SELLIS



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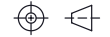
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SIZE A	CAGE CODE 3FKR5	DRAWN BY MVEERAPPAN	ITEM NO. LMR-LW195
			REV A

T-Rev.D