

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

Size	
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

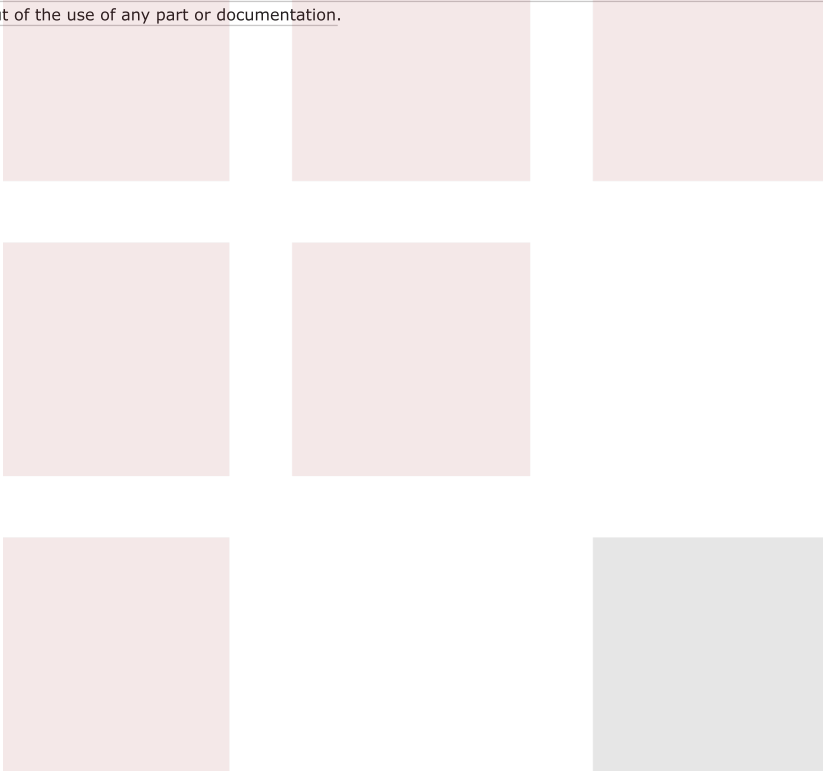
Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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.

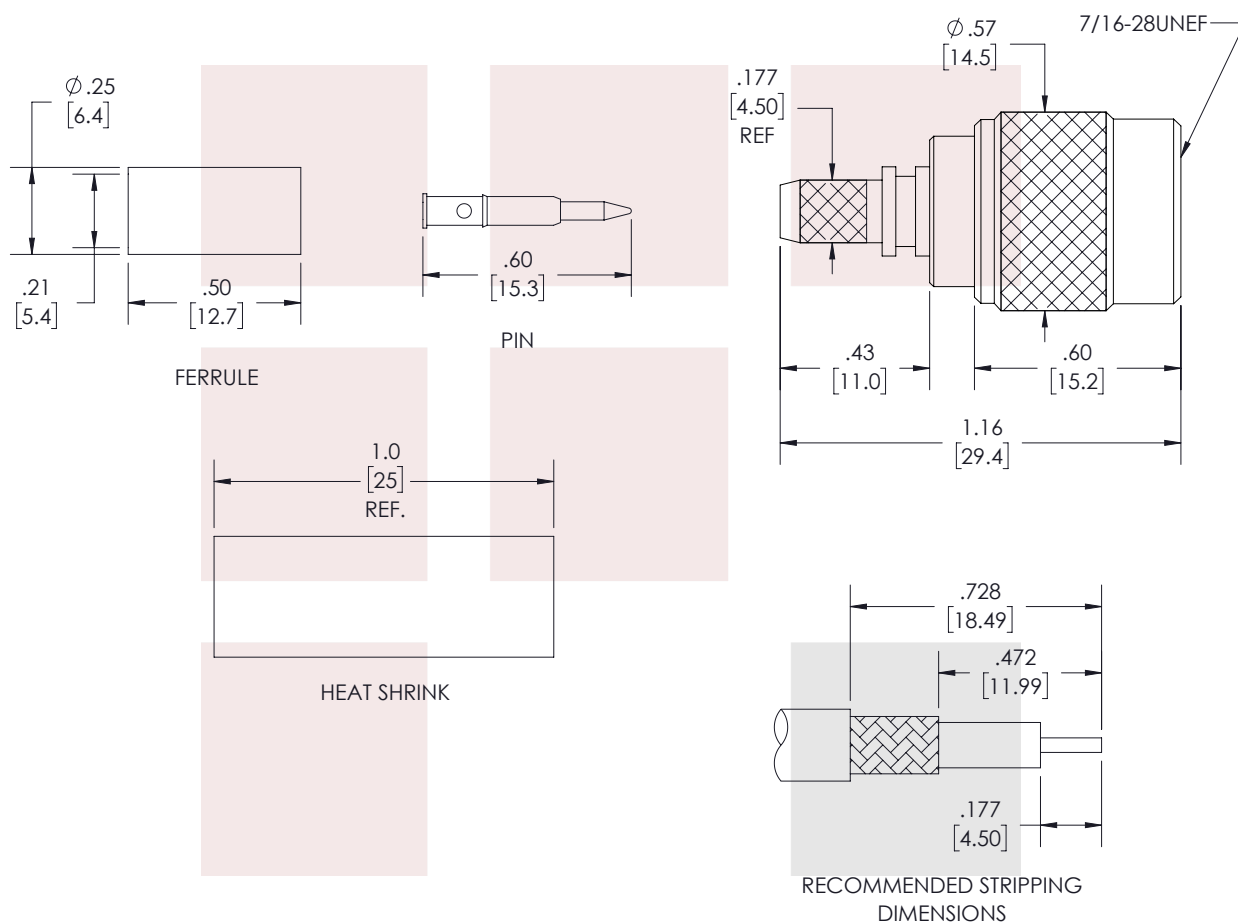
For additional information on this product, please click the following link: [TNC Male \(Plug\) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder SC4262](#)

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

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
B	PCR SC4262 20220517	06/15/2022	SRAUTUS



THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE

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

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

CABLE LENGTH (L) TOLERANCES:

$X = \pm .2$	[.508]	FRACTIONS
$XX = \pm .02$	[.51]	$\pm 1/32$
$XXX = \pm .005$	[.13]	ANGLES $\pm 1^\circ$

$$\begin{aligned} L \leq 12 \text{ [305]} &= +1 \text{ [25]} / -0 \\ 12 \text{ [305]} < L \leq 60 \text{ [1524]} &= +2 \text{ [51]} / -0 \\ 60 \text{ [1524]} < L \leq 120 \text{ [3048]} &= +4 \text{ [102]} / -0 \\ 120 \text{ [3048]} < L \leq 300 \text{ [7620]} &= +6 \text{ [152]} / -0 \\ 300 \text{ [7620]} < L &= +5\%L / -0 \end{aligned}$$

THIRD-ANGLE PROJECTION



THE INFORMATION AND
DESIGN IN THIS DOCUMENT
IS THE PROPERTY OF
FAIRVIEW MICROWAVE CORPORATION.
ALL RIGHTS RESERVED.

SHEET	1	OF	1
-------	---	----	---

SCALE	N/A
-------	-----

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE	A
------	---

CAGE CODE	3FK
-----------	-----

DRAWN BY
BPUCH

ITEM NO.	SC4262
----------	--------

REV	B
-----	---

SMA Male Connector Crimp/Solder Attachment for LMR-195 Cable

Times Microwave Systems Connector Specification

SMA male connector with crimp/solder attachment for LMR-195, part number TC-195-SM-SS-X, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 8 GHz and offers good VSWR of 1.3:1.

Fairview's SMA male connector TC-195-SM-SS-X 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		8	GHz
VSWR			1.3:1	

Mechanical Specifications

Size	
Length	1.17 in [29.72 mm]
Width/Dia.	0.375 in [9.53 mm]
Weight	0.02 lbs [9.07 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold ASTM B488
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	

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

Plotted and Other Data

Notes:



Configuration:

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-195 Interface Type
- Crimp/Solder Attachment
- 5/16 Inch Hex

Features:

- Operating Frequency of 8 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- Contact plating according to ASTM B488

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
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

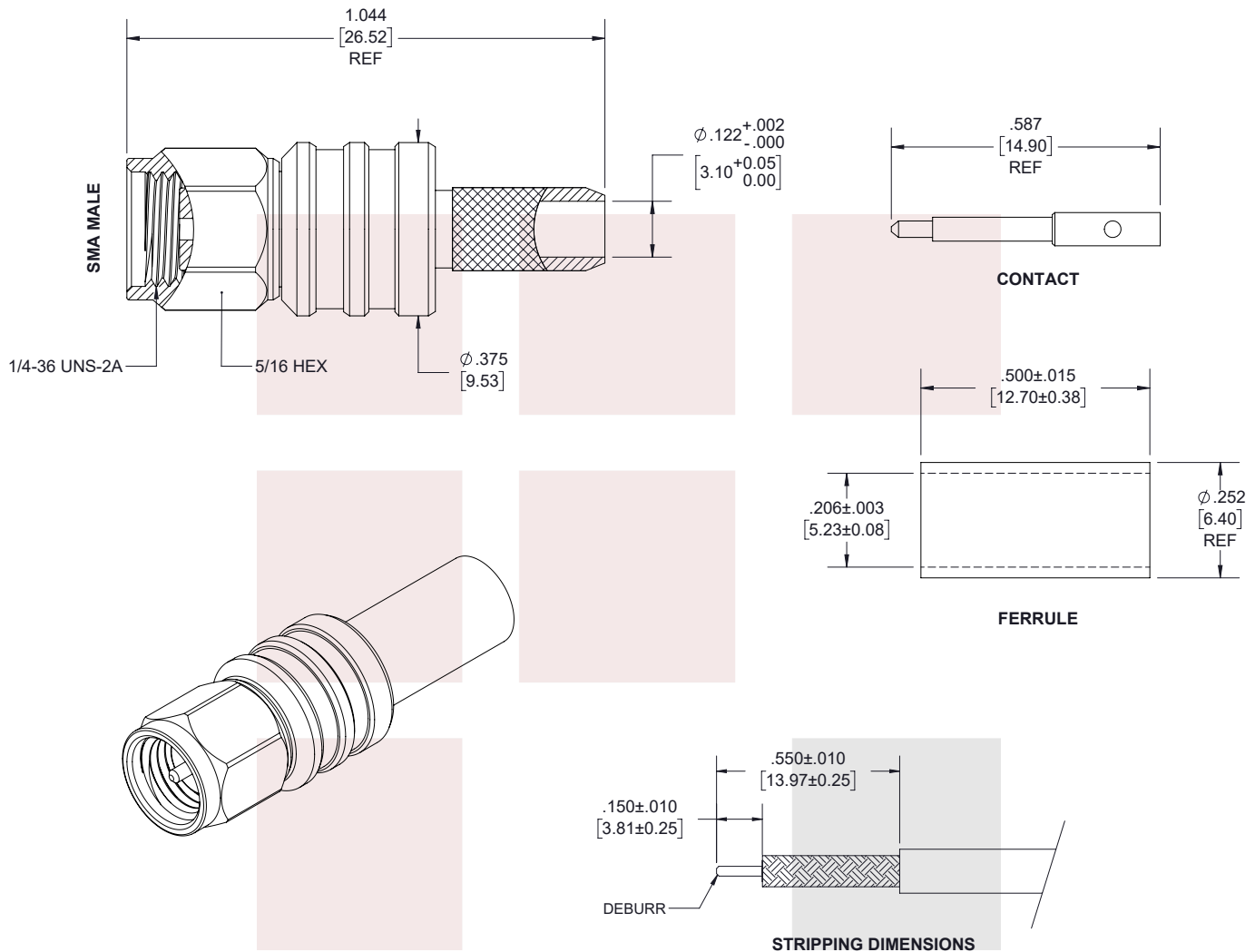
SMA Male Connector Crimp/Solder Attachment for LMR-195 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male Connector Crimp/Solder Attachment for LMR-195 Cable TC-195-SM-SS-X](#)

URL: <https://www.fairviewmicrowave.com/sma-male-lmr-195-connector-tc-195-sm-ss-x-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.





STANDARD TOLERANCES

.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .213 [5.41] HEX. CRIMP TOOL.
 - CONTACT: SOLDER.

Fairview Microwave an INFINITE brand		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].					
TITLE SMA Male Connector Crimp/Solder Attachment for LMR-195 Cable		DWG NO		CAGE CODE			
		TC-195-SM-SS-X		3FKR5			
CAD FILE	10/25/19	SHEET	1 OF 1	SCALE	N/A	SIZE	A 7361

Times Microwave LMR-195-FR Low Loss Flexible Coax Cable Black FRPE Jacket



LMR-195-FR



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Fire Rated Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 76% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-195-FR coax cable from Fairview is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave LMR-195-FR coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-195-FR is constructed with a 0.195 inch diameter and FRPE jacket.

LMR-195-FR flexible 50 Ohm coax cable with FRPE 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 a shield count of 2 and RF shielding of 90 dB.

Fairview Microwave LMR-195-FR coax is constructed with PE dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-195-FR coax cable specs for this wire properties can be found on its RF coax cable LMR-195-FR datasheet PDF specifications above.

LMR-195-FR cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-195-FR coax cable is ready to buy and can be shipped worldwide. Fairview also maintains a wide selection of other radio frequency twinaxial and coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave and millimeter wave components.

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Time Delay		1.27 [4.17]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			7.6	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft

Times Microwave LMR-195-FR Low Loss Flexible Coax Cable Black FRPE Jacket



LMR-195-FR

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Nominal Capacitance		25.4 [83.33]		pF/ft [pF/m]
Nominal Inductance		0.064 [0.21]		uH/ft [uH/m]
Input Power (Peak)			2.5	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.5	4.4	5.4	7.8	11.1	dB/100ft
	8.2	14.44	17.72	25.59	36.42	dB/100m
Input Power (CW), Max	680	390	320	220	160	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	14.5	16	16.9	19	29.9	dB/100ft
	47.57	52.49	55.45	62.34	98.1	dB/100m
Input Power (CW), Max	120	110	100	90	60	Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.028 lbs/ft [0.04 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 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PE	0.11 in [2.79 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	FRPE, Black	0.195 in [4.95 mm]

Times Microwave LMR-195-FR Low Loss Flexible Coax Cable Black FRPE Jacket



LMR-195-FR

Environmental Specifications

Temperature

Operating 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-195-FR Low Loss Flexible Coax Cable Black FRPE Jacket 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: [Times Microwave LMR-195-FR Low Loss Flexible Coax Cable Black FRPE Jacket LMR-195-FR](#)

URL: <https://www.fairviewmicrowave.com/lmr195fr-low-loss-flexible-coax-cable-frpe-jacket-lmr-195-fr-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.

LMR-195-FR CAD Drawing

Times Microwave LMR-195-FR Low Loss Flexible Coax Cable Black FRPE Jacket

