

N Female Bulkhead Connector Crimp/Crimp Attachment for RG58, RG303, RG141, LMR-195, .195 inch Cable , .640 inch DD Hole

Type N female bulkhead connector with crimp/crimp attachment for RG58, RG303, RG141, LMR-195 and .195 inch (.640 inch DD hole), part number FMCN1751, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. Fairview's FMCN1751 bulkhead type N connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's type N female bulkhead connector FMCN1751 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		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size	
Length	1.69 in [42.93 mm]
Width/Dia.	0.827 in [21.01 mm]
Height	0.827 in [21.01 mm]
Weight	0.082 lbs [37.19 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel 100 µin minimum
Body	Brass	Nickel 100 µin minimum
Washer	Brass	Nickel



Configuration:

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, LMR-195, .195 inch Interface Type
- Crimp/Crimp Attachment
- Bulkhead

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

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Environmental Specifications**Temperature**

Operating Range -65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

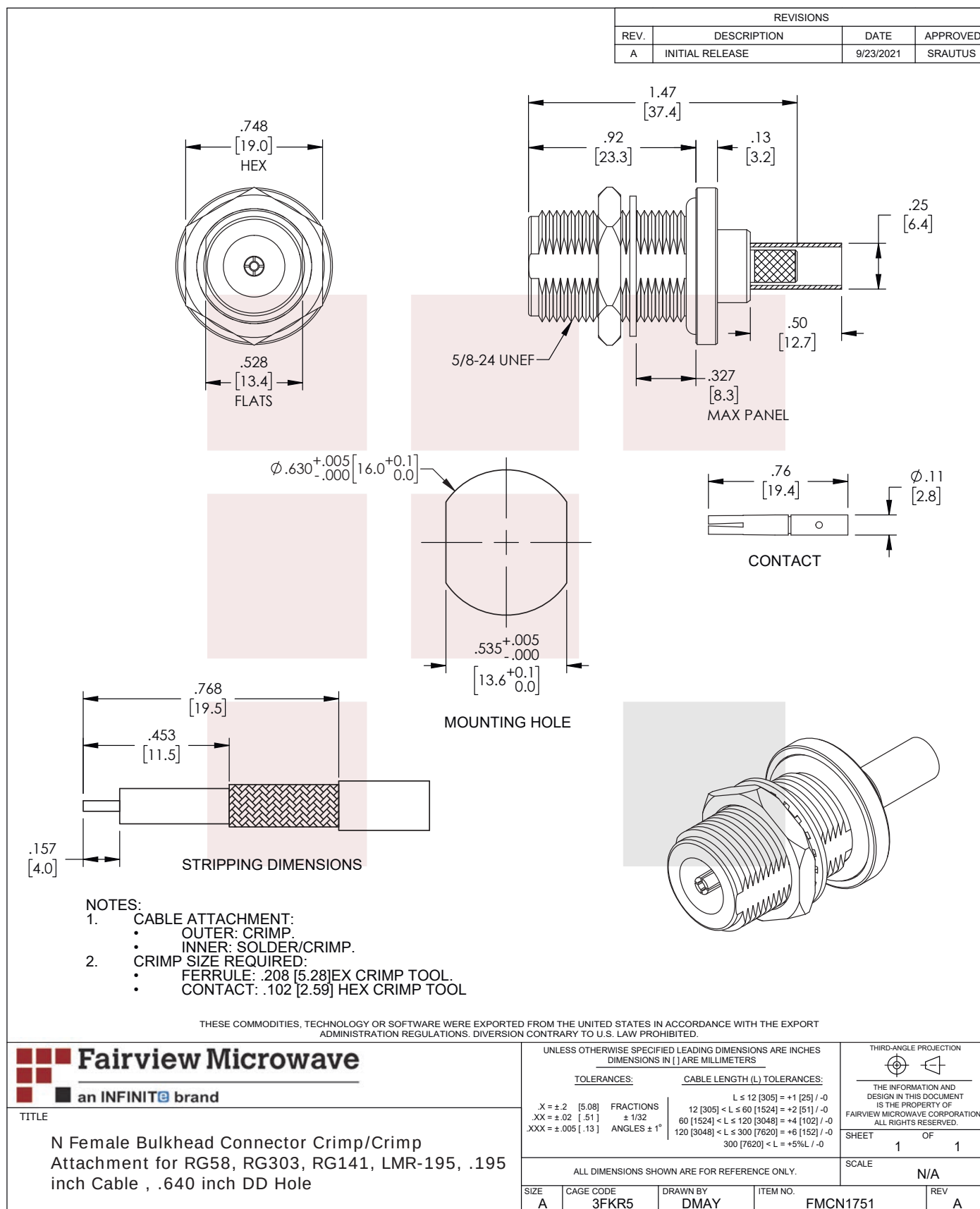
Notes:

N Female Bulkhead Connector Crimp/Crimp Attachment for RG58, RG303, RG141, LMR-195, .195 inch Cable , .640 inch DD Hole 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: [N Female Bulkhead Connector Crimp/Crimp Attachment for RG58, RG303, RG141, LMR-195, .195 inch Cable , .640 inch DD Hole FMCN1751](#)

URL: <https://www.fairviewmicrowave.com/n-female-rg58-rg303-rg141-lmr-195-.195-connector-fmcn1751-p.aspx>

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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

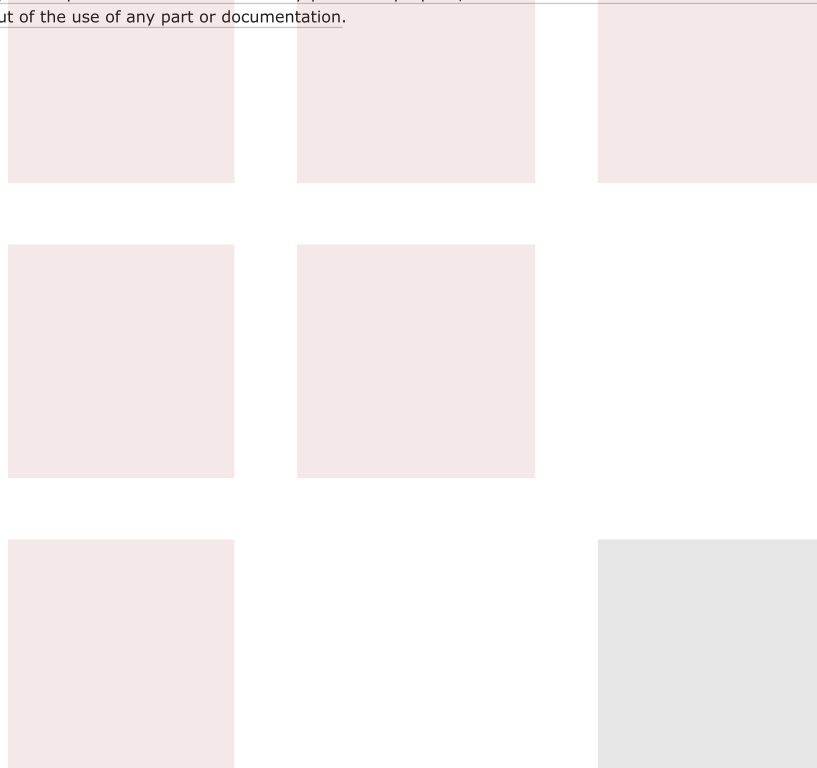
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TNC Male (Plug) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

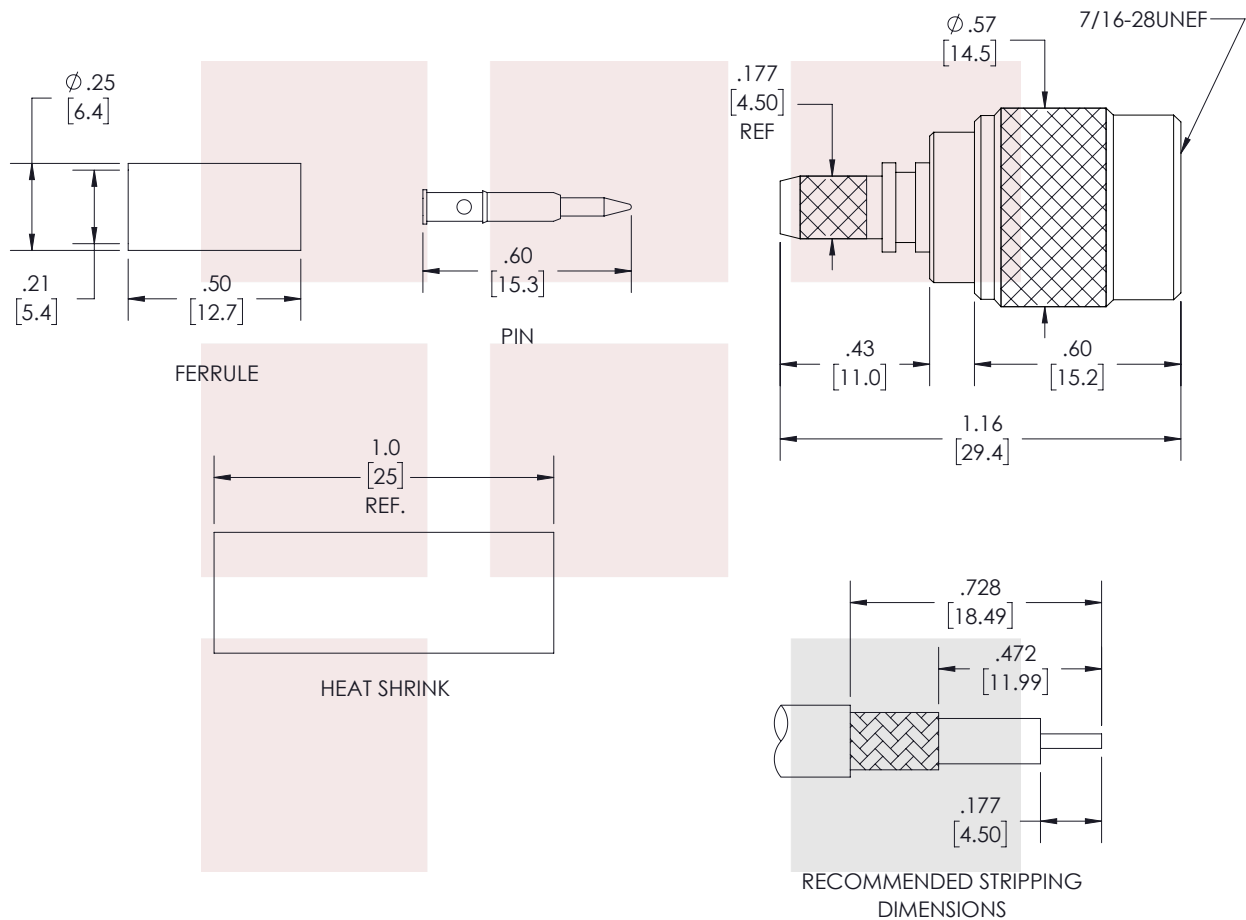
For additional information on this product, please click the following link: [TNC Male \(Plug\) Connector For RG58, RG303, RG141, LMR-195, LMR-195-FR, 0.195 inch Cable, Crimp/Solder SC4262](#)

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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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

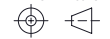
TOLERANCES:

.X = $\pm .2$ [5.08] FRACTIONS
.XX = $\pm .02$ [.51] $\pm 1/32$
.XXX = $\pm .005$ [.13] ANGLES $\pm 1^\circ$

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ± 1 [25] / -0
12 [305] < 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 = $\pm 5\%$ L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

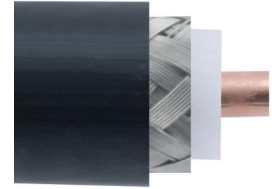
SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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

T-Rev.D

TCOM-195 Low PIM Flexible Coax Cable Black PE Jacket



TCOM-195

Configuration

- Low PIM Flexible Cable
- 3 Shield(s)

Features

- Lightweight and Extremely Flexible
- PIM < -155 dBc
- RF Shielding >100 dB
- Low Loss Dielectric 80% VoP
- UV Resistant, Life Expectancy > 20 Years

Applications

- Wireless Base Station Interconnect
- Distributed Antenna Systems (DAS)
- Outdoor Applications
- Antenna Jumpers
- Small Cell

Description

TCOM-195 low PIM coax cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for same business day shipment. Fairview Microwave's TCOM-195 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coax cable is constructed with a polyethylene jacket of 0.195 inch diameter. The maximum passive intermodulation of this low PIM cable is -155 dBc.

Fairview Microwave's TCOM-195 flexible coax cable with a polyethylene jacket is rated for a 18 GHz maximum operating frequency. This 50 Ohm flexible coax cable is built with a shield count of 3. Our low PIM RF coaxial cable has a solid conductor made of copper. The black-colored coax RF cable has a typical insertion loss/attenuation of 4, 8, 11, 17, 27, 39, and 54 dB/100ft at frequencies of 150 MHz, 450 MHz, 900 MHz, 2000 MHz, 5000 MHz, 10000 MHz and 18000 MHz respectively.

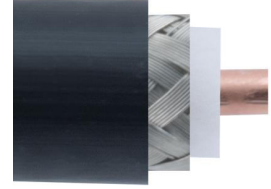
The TCOM-195 coax cable with foam polyethylene dielectric can operate at temperatures ranging from -40 to +85 deg C. Additional specifications for this TCOM-195 RF coaxial cable are on our downloadable PDF datasheet above. Our low PIM coaxial cable has a dielectric withstanding voltage of 1000 Vdc. This low PIM RF cable has a one time minimum bend radius of 0.5 inches and a repeat minimum bend radius of 2 inches. Our flexible 50 Ohm coax cable has a peak power rating of 2500 watts.

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

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
Time Delay		1.27 [4.17]		ns/ft [ns/m]
Passive Intermodulation			-155	dBc
Dielectric Withstanding Voltage (DC)			1,000	Vdc

TCOM-195 Low PIM Flexible Coax Cable Black PE Jacket



TCOM-195

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			7.16	Ohms/1000ft
Outer Conductor DC Resistance			3.42	Ohms/1000ft
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	0.15	0.45	0.9	2	5	GHz
Attenuation, Typ	4.5	8	11	17	27	dB/100ft
	14.76	26.25	36.09	55.77	88.58	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	10	18				GHz
Attenuation, Typ	39	54				dB/100ft
	127.95	177.17				dB/100m

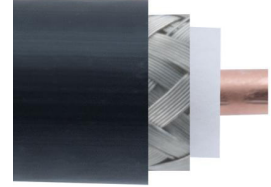
Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.035 lbs/ft [0.05 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]
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 (F)	0.11 in [2.79 mm]
First Shield	Silver Plated Copper Braid	0.12 in [3.05 mm]
Second Shield	Tinned Copper Braid over Aluminum Tape	0.148 in [3.76 mm]
Jacket	PE, Black	0.195 in [4.95 mm]

TCOM-195 Low PIM Flexible Coax Cable Black PE Jacket



TCOM-195

Environmental Specifications

Temperature

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:

TCOM-195 Low PIM Flexible Coax Cable Black PE 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.

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URL: <https://www.fairviewmicrowave.com/tcom195-low-pim-flexible-coax-cable-pe-jacket-tcom-195-p.aspx>

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TCOM-195 CAD Drawing

TCOM-195 Low PIM Flexible Coax Cable Black PE Jacket

