

N Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable

Type N male connector with crimp/solder attachment for 0.400 inch, LMR-400, LMR-400-DB and LMR-400-UF, part number SC9116, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 11 GHz.

Fairview's type N male connector SC9116 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		11	GHz
Operating Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 9					GHz
VSWR, Max	1.3:1					

Electrical Specification Notes:
Values at +25°C, sea level.
Insertion loss: $0.06 \times \sqrt{f(\text{GHz})}$ dB max.

Mechanical Specifications

Size	
Length	1.235 in [31.37 mm]
Width/Dia.	0.827 in [21.01 mm]
Weight	0.0785 lbs [35.61 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 3 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum



Configuration:

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Interface Type
- Crimp/Solder Attachment

Features:

- Operating Frequency of 11 GHz Max.
- Gold Plated Brass Contact
- 3 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

Temperature

Operating Range -65 to +85 deg C

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

Plotted and Other Data

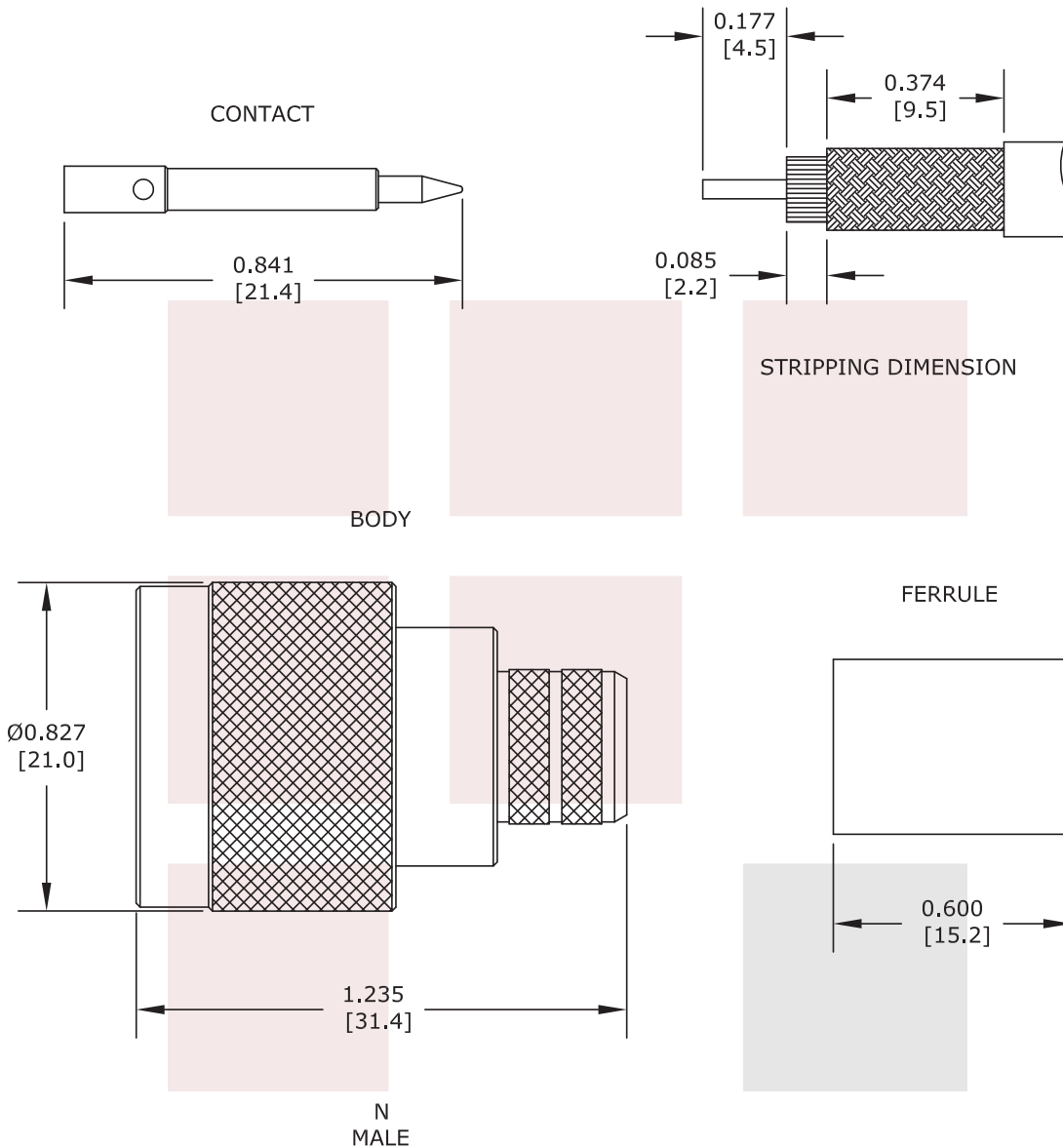
Notes:

N Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable SC9116](#)

URL: <https://www.fairviewmicrowave.com/n-male-standard-lmr-400-connector-sc9116-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	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.

ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

NOTES:

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TITLE

N Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable

DWG NO

SC9116

CAGE CODE

3FKR5

CAD FILE

121516

SHEET

SCALE

N/A

SIZE

A 41742

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Environmental Specifications

Temperature

Operating Range -65 to +85 deg C

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

Plotted and Other Data

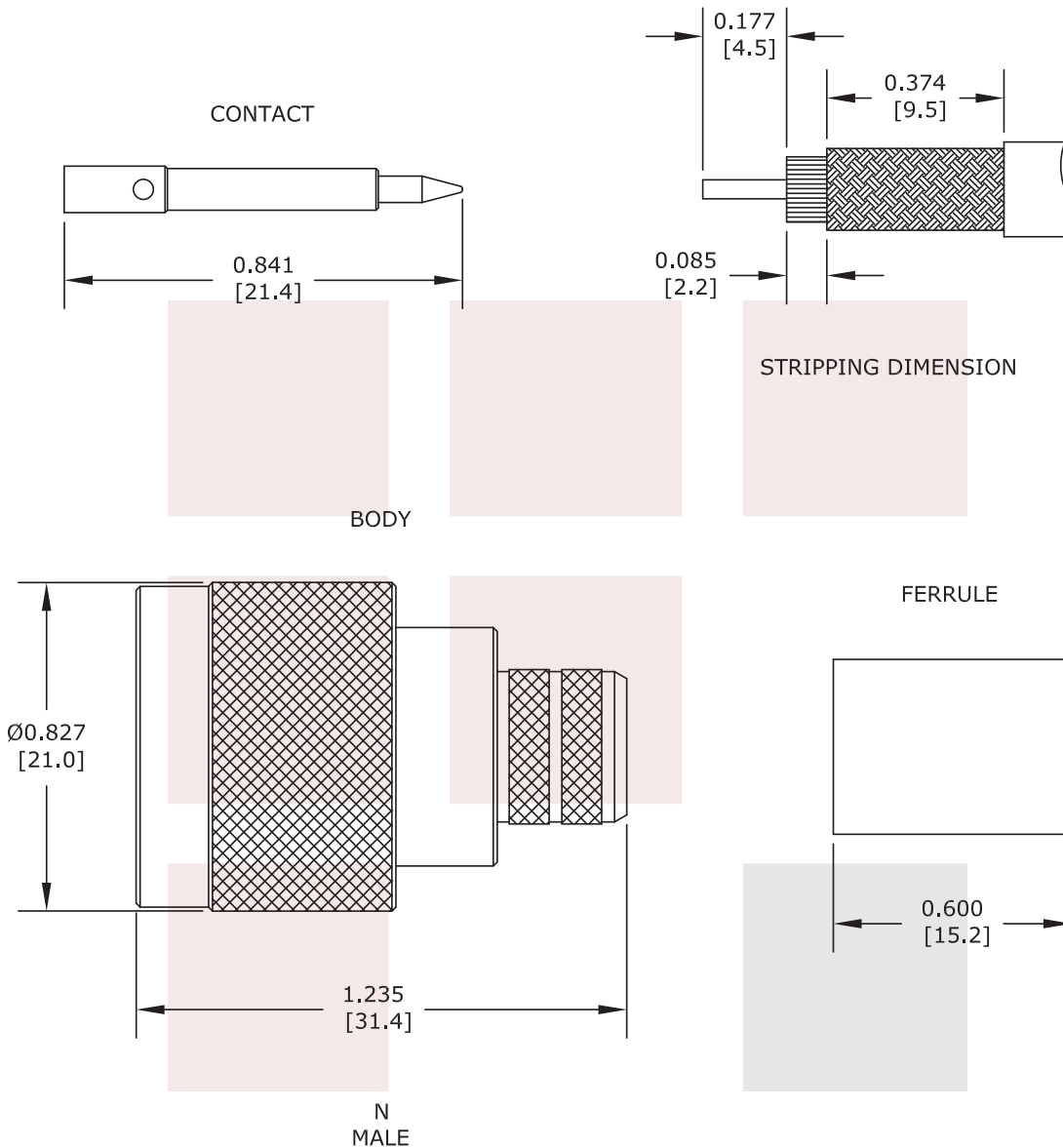
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For additional information on this product, please click the following link: [N Male Connector Crimp/Solder Attachment For 0.400 inch, LMR-400, LMR-400-DB, LMR-400-UF Cable SC9116](#)

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DWG NO

SC9116

CAGE CODE

3FKR5

CAD FILE

121516

SHEET

SCALE

N/A

SIZE

A 41742

TCOM-400 Low PIM Flexible Coax Cable Black PE Jacket

Times Microwave Systems Coax Cable Specification

TCOM-400 low PIM coax cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave's TCOM-400 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 0.405-inch diameter. The maximum passive intermodulation of this low PIM cable is -155 dBc.

Fairview Microwave's TCOM-400 flexible coax cable with a polyethylene jacket is rated for a 10 GHz maximum operating frequency. This 50 Ohm flexible coax cable is built with a shield count of 2 and RF shielding of 100 dB. Our low PIM RF coaxial cable has a solid conductor of copper clad aluminum. This black-colored coax RF cable has a typical insertion loss/maximum attenuation of 15.7 dB/100ft at a frequency of 10 GHz.

The TCOM-400 coax cable with foam PE dielectric can operate at temperatures ranging from -40 to 85 degrees C. Additional specifications for this TCOM-400 double-shielded RF coaxial cable are on our downloadable PDF datasheet above. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid. Our low PIM coaxial cable has a dielectric withstanding voltage of 2500 Vdc.

TCOM-400 low PIM RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This TCOM-400 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 the same day from our Allen, TX warehouse in the United States, as with the rest of our other RF/microwave and millimeter wave components.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.2 [3.94]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc
DWV (DC)			2,500	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resist.			1.39	Ohms/1000ft
Outer Conductor DC Resist.			1.47	Ohms/1000ft
Nominal Capacitance		23.9		pF/ft
		[78.41]		[pF/m]
Nominal Inductance		0.06		uH/ft
		[0.2]		[uH/m]
Input Power (Peak)			16	kWatts



Configuration:

- Low PIM Flexible Cable
- 2 Shield(s)

Fairview Microwave
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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Typ	1.6 5.25	2 6.56	2.9 9.51	4.2 13.78	5.4 17.72	dB/100ft dB/100m
Power In (CW), Max	1,380	1,130	780	540	410	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	10	GHz
Attenuation, Typ	6 19.69	6.4 21	7.2 23.62	11.5 37.73	15.7 51.51	dB/100ft dB/100m
Power In (CW), Max	370	350	310	190	140	Watts

Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.08 lbs/ft [0.12 kg/m]
Min. Bend Radius (Installation)	1 in [25.4 mm]
Min. Bend Radius (Repeated)	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Tensile Strength	160 lbs [72.57 kg]
Flat Plate Crush	40 lbs/in [0.71 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strands	0.108 in [2.74 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	0.295 in [7.49 mm]
Second Shield	Tinned Copper Braid	0.33 in [8.38 mm]
Jacket	PE, Black	0.405 in [10.29 mm]

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-400 Low PIM Flexible Coax Cable Black PE Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [TCOM-400 Low PIM Flexible Coax Cable Black PE Jacket TCOM-400](#)

URL: <https://www.fairviewmicrowave.com/tcom400-low-pim-flexible-coax-cable-pe-jacket-tcom-400-p.aspx>

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