

7/16 DIN Female Bulkhead Connector Crimp/Solder Attachment for 0.195 inch, 1.161 inch DD Hole

7/16 DIN female bulkhead connector with crimp/solder attachment for .195 inch, RG58, RG141, RG303, LMR-195 and LMR-195-FR (1.161 inch DD hole), part number FMCN1832, from Fairview Microwave is in-stock and ships same day. Fairview's FMCN1832 bulkhead 7/16 DIN 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 7/16 DIN female bulkhead connector FMCN1832 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.

Mechanical Specifications

Size	
Length	2.08 in [52.83 mm]
Width/Dia.	1.2 in [30.48 mm]
Height	0.5 in [12.7 mm]
Weight	0.288 lbs [130.63 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal

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

Plotted and Other Data

Notes:



Configuration:

- 7/16 DIN Female Connector
- 50 Ohms
- Straight Body Geometry
- .195 inch, RG58, RG141, RG303, LMR-195, LMR-195-FR Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features:

- Silver Plated Beryllium Copper Contact

Applications:

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

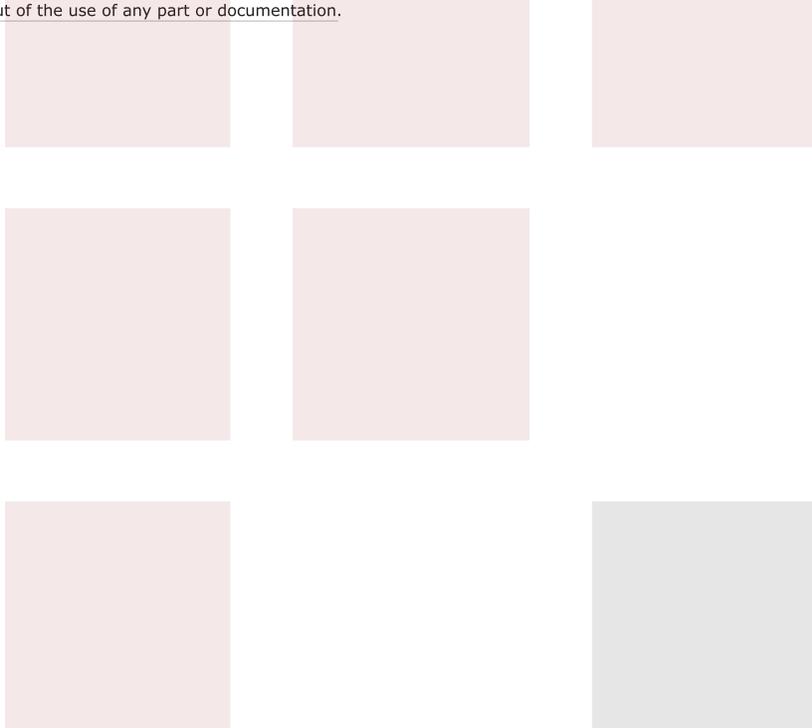
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7/16 DIN Female Bulkhead Connector Crimp/Solder Attachment for 0.195 inch, 1.161 inch DD Hole from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

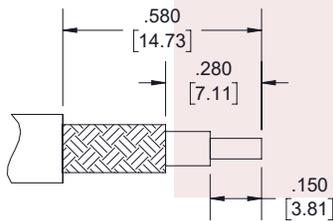
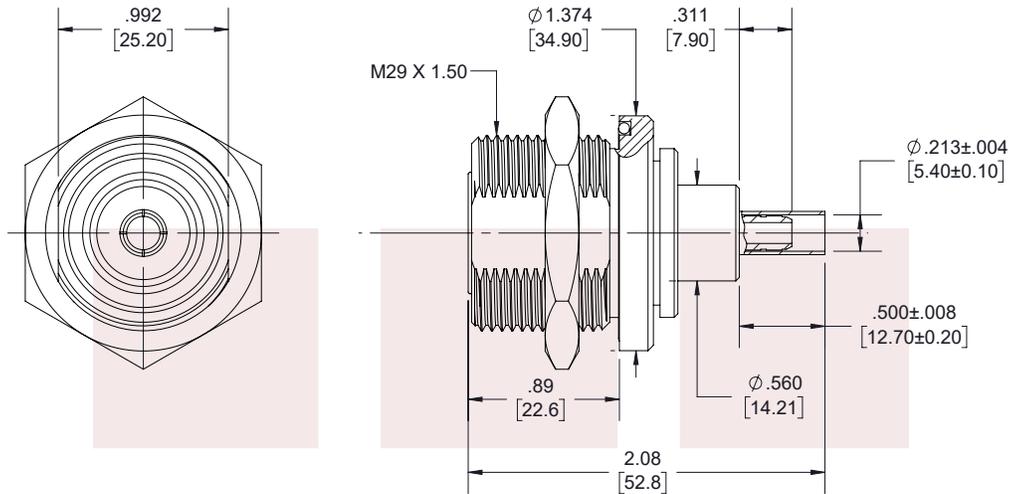
For additional information on this product, please click the following link: [7/16 DIN Female Bulkhead Connector Crimp/Solder Attachment for 0.195 inch, 1.161 inch DD Hole FMCN1832](#)

URL: <https://www.fairviewmicrowave.com/7-16-din-female-.195-rg58-rg141-rg303-lmr-195-lmr-195-fr-connector-fmcn1832-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	02/11/2022	A.GANWANI



STRIPPING DIMENSIONS

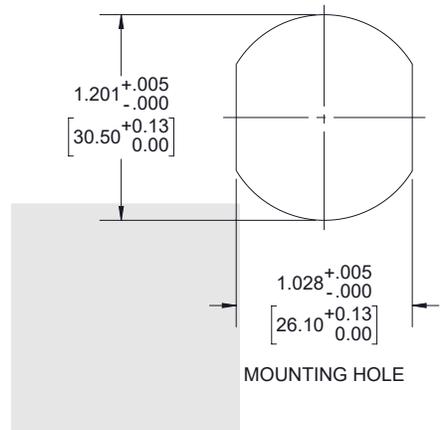
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE PTE OVER CENTER CONDUCTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE FERRULE OVER CABLE.
3. INSERT CABLE AND PARTS INTO BODY, PUSH CABLE UNTIL CONTACT SEATS IN PLACE.
4. SLIDE FERRULE OVER BRAID AND UP AGAINST BODY. CRIMP FERRULE.

CRIMP SIZE REQUIRED

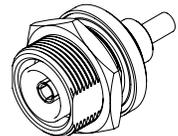
CONTACT: SOLDER.

FERRULE: .213" [5.41] HEX CRIMP TOOL.



MOUNTING HOLE

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TITLE

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = $\pm .2$ [5.08]	FRACTIONS $\pm 1/32$	L ≤ 12 [305] = $+1$ [25] / -0
.XX = $\pm .02$ [.51]	ANGLES $\pm 1^\circ$	12 [305] < L ≤ 60 [1524] = $+2$ [51] / -0
.XXX = $\pm .005$ [.13]		60 [1524] < L ≤ 120 [3048] = $+4$ [102] / -0
		120 [3048] < L ≤ 300 [7620] = $+6$ [152] / -0
		300 [7620] < L = $+5\%$ / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1832	REV A
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T-Rev.D

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

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sales@fairviewmicrowave.com

Power In (CW), Max	680	390	220	160	120	Watts
Description	F6	F7	F8	F9	F10	Units
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

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

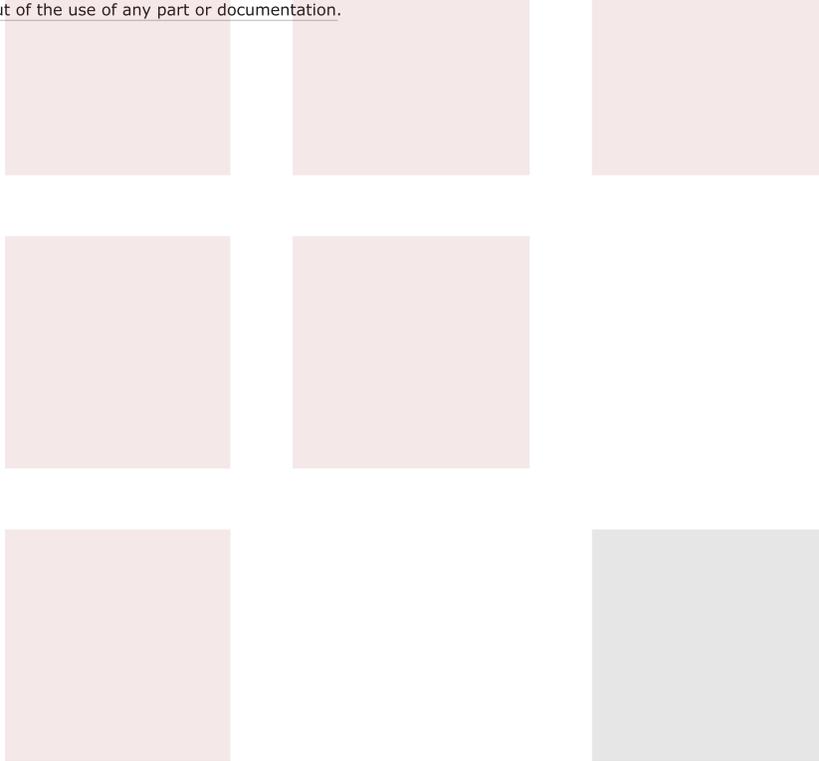
Notes:

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.

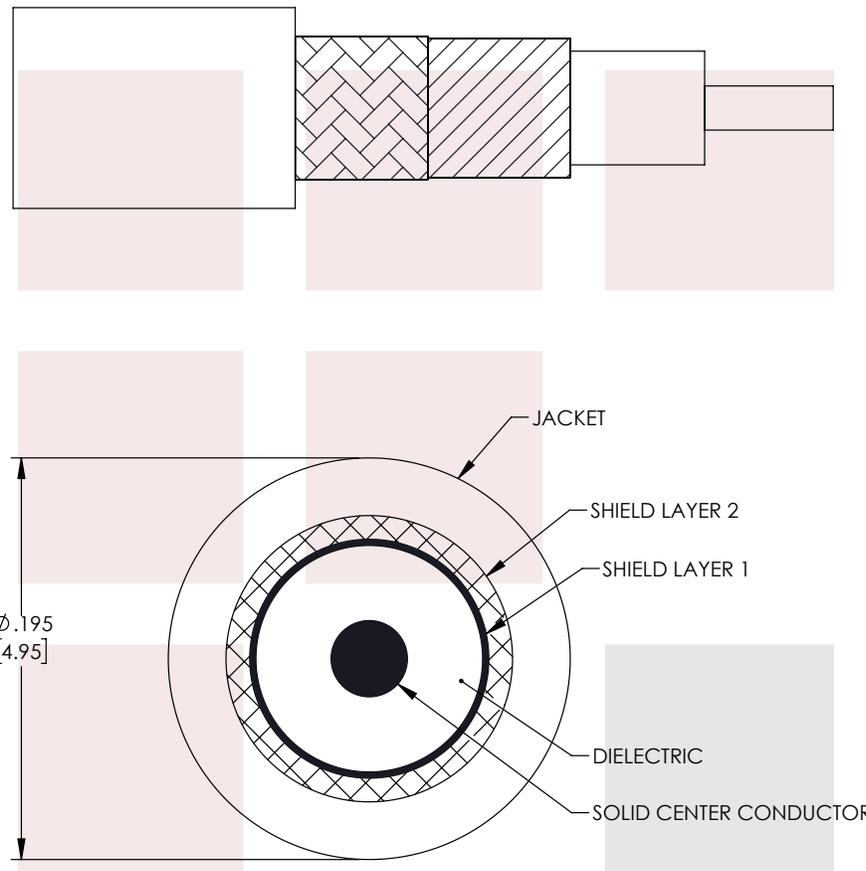
Click the following link to obtain additional part information: [Times Microwave LMR-LW195 Low Loss Flexible Coax Cable Black PE Jacket Light Weight LMR-LW195](https://www.fairviewmicrowave.com/lmr-lw195-low-loss-flexible-coax-cable-pe-jacket-lmr-lw195-p.aspx)

URL: <https://www.fairviewmicrowave.com/lmr-lw195-low-loss-flexible-coax-cable-pe-jacket-lmr-lw195-p.aspx>

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



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TITLE

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

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TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32
.XX = ±.02 [.51] ANGLES ± 1°
.XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:

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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 = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

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SCALE

N/A

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