



4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet



TC-600-4310M-X

Times Microwave Systems Connector Specification

Configuration

- 4.3-10 Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-600 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Silver Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Feeder Cables

Description

The Times Microwave TC-600-4310M-X 4.3-10 male connector with crimp/solder attachment for LMR-600 is part of our full line of RF components available for same-day shipping. This 4.3-10 male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.25:1.

Our datasheet specifications and drawing with dimensions for Times Microwave's 4.3-10 male connector TC-600-4310M-X are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
Insulation Resistance	10,000			MOhms

Electrical Specification Notes:
Insertion Loss = 0.1 x SQRT(FGHz)

Mechanical Specifications

Mating Cycles 500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Connector Crimp/Solder Attachment for LMR-600 TC-600-4310M-X](#)



4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet



TC-600-4310M-X

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Gasket	Silicone	
Crimp Sleeve	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Shock

MIL-STD 202G, Meth. 204, Cond. B

Vibration

MIL-STD 202G, Meth. 213, Cond. I

Thermal Shock

MIL-STD 202G, Meth. 107, Cond. B

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

Plotted and Other Data

Notes:

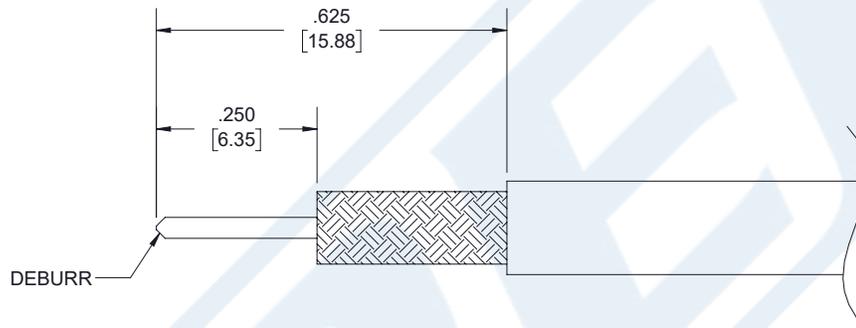
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4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet

Assembly Instruction



ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.
2. SLIDE FERRULE OVER CABLE AND INSULATOR OVER CABLE CENTER CONDUCTOR. INSERT CENTER CONTACT AND SOLDER.
3. PUSH THE CONNECTOR BODY INTO THE CABLE UNTIL IT STOPS. SLIDE FERRULE FORWARD AND AGAINST SHOULDER OF CONNECTOR AND CRIMP.

CRIMP SIZE REQUIRED

- FERRULE: .610" [15.49] HEX CRIMP TOOL

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Connector Crimp/Solder Attachment for LMR-600 TC-600-4310M-X](#)



4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet



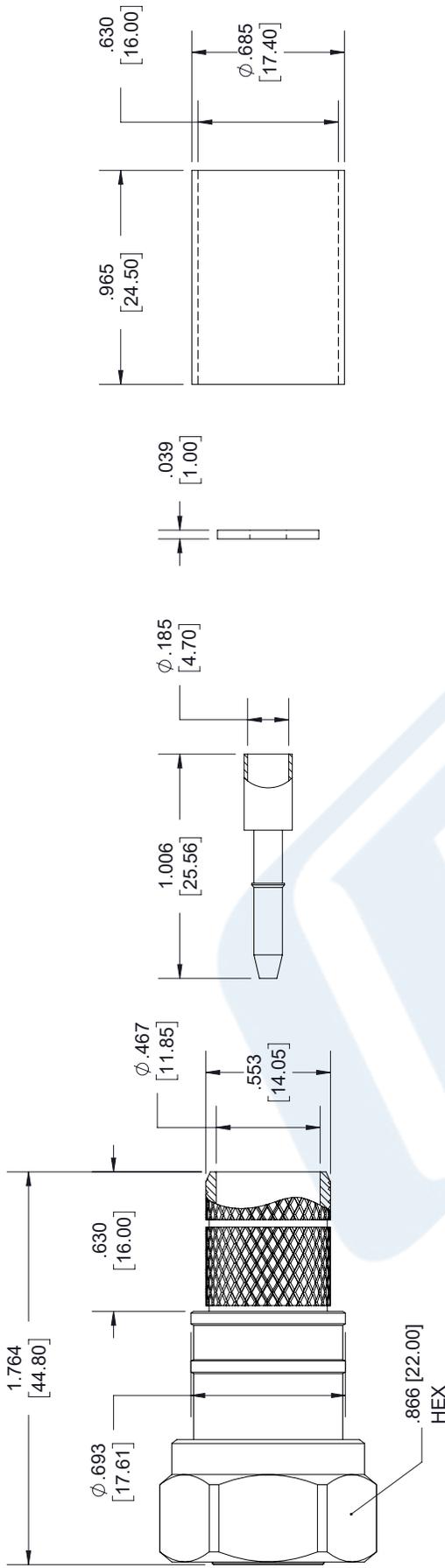
TC-600-4310M-X

4.3-10 Male Connector Crimp/Solder Attachment for LMR-600 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

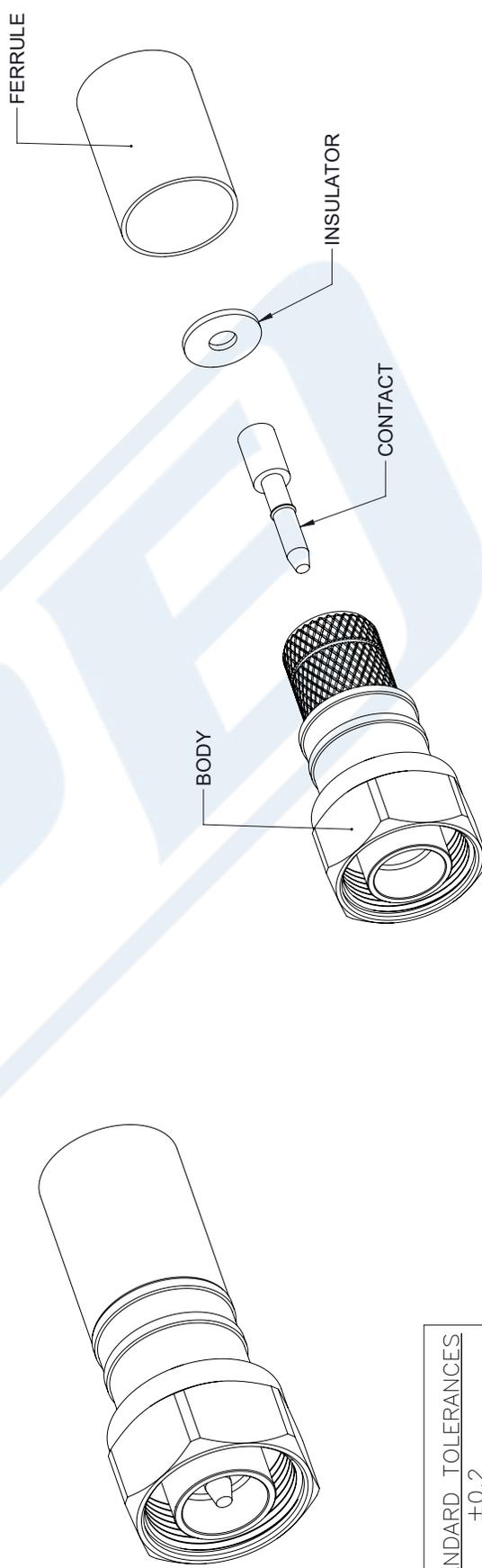
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4.3-10 MALE



STANDARD TOLERANCES
.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

TC-600-4310M-X

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CAGE CODE 53919

CAD FILE 04/18/18

SCALE N/A

SIZE A

7361



4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet



TC-600-4310M-X

Times Microwave Systems Connector Specification

Configuration

- 4.3-10 Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-600 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Silver Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)
- Small Cells
- Feeder Cables

Description

The Times Microwave TC-600-4310M-X 4.3-10 male connector with crimp/solder attachment for LMR-600 is part of our full line of RF components available for same-day shipping. This 4.3-10 male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.25:1.

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
Insulation Resistance	10,000			MOhms

Electrical Specification Notes:
Insertion Loss = 0.1 x SQRT(FGHz)

Mechanical Specifications

Mating Cycles 500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Connector Crimp/Solder Attachment for LMR-600 TC-600-4310M-X](#)



4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet



TC-600-4310M-X

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Gasket	Silicone	
Crimp Sleeve	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Shock

MIL-STD 202G, Meth. 204, Cond. B

Vibration

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Thermal Shock

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

Plotted and Other Data

Notes:

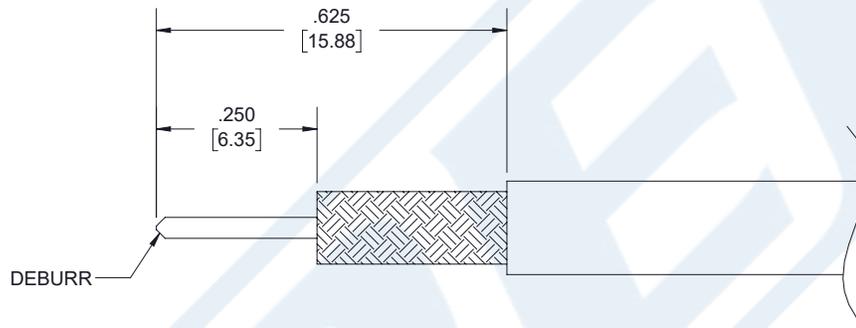
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4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet

Assembly Instruction



ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.
2. SLIDE FERRULE OVER CABLE AND INSULATOR OVER CABLE CENTER CONDUCTOR. INSERT CENTER CONTACT AND SOLDER.
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CRIMP SIZE REQUIRED

- FERRULE: .610" [15.49] HEX CRIMP TOOL

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4.3-10 Male Connector Crimp/Solder Attachment for LMR-600

RF Connectors Technical Data Sheet



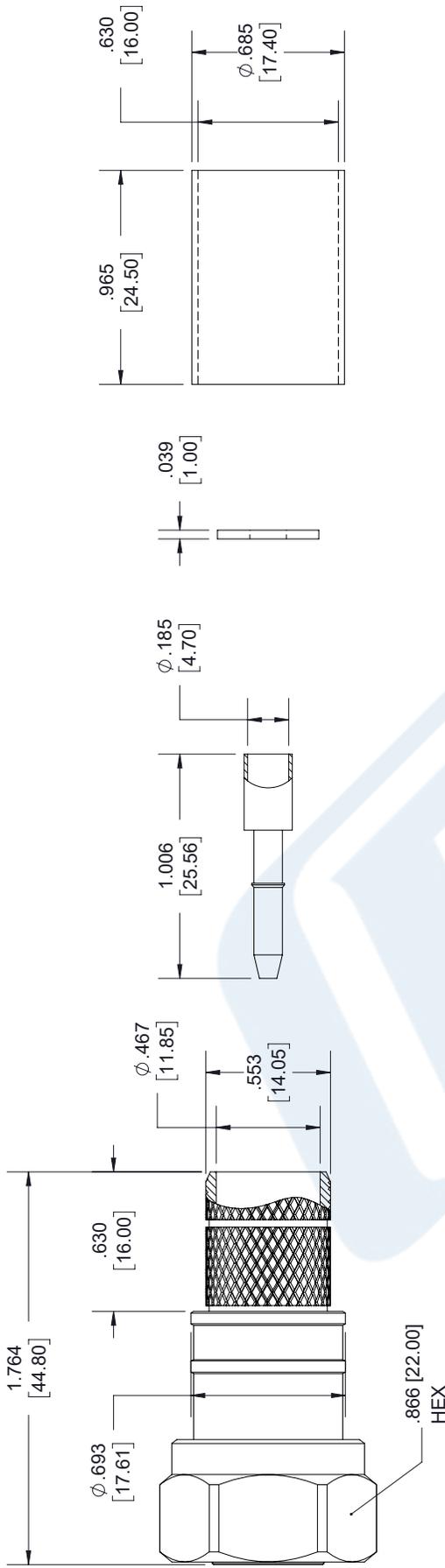
TC-600-4310M-X

4.3-10 Male Connector Crimp/Solder Attachment for LMR-600 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

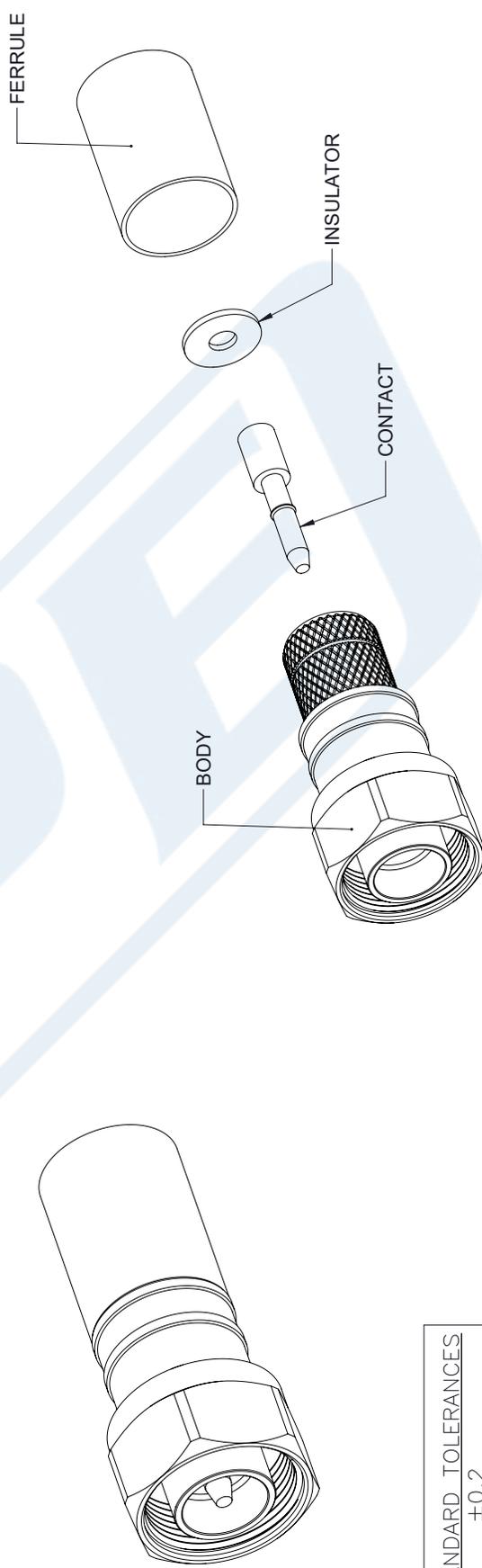
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CAGE CODE 53919

CAD FILE 04/18/18

SCALE N/A

SIZE A

7361



Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated

RF Cables Technical Data Sheet



LMR-600-FR

Times Microwave Systems Coax Cable Specification

Configuration

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

Features

- CMR Riser Rated Coax
- Non-Halogen, Low Smoke PE Jacket
- Max Operating Frequency of 5.8 GHz
- Phase Velocity 85% VoP
- Max Operating Temperature +85°C
- Min Install Bend Radius of 1.5 inches

Applications

- In-Building Riser Runs
- Short Antenna Installs
- RF Test Systems
- General Purpose RF Interconnect
- Laboratory Applications

Description

LMR-600-FR Fire Rated version of the 600 series Low Loss Coax from Times Microwave is part of the large product offering by Pasternack of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Pasternack LMR-600-FR coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss and CMR riser rated 50 Ohm coax cable LMR-600-FR is constructed with a 0.590 inch diameter and Black PE jacket.

LMR-600-FR flexible 50 Ohm coax cable with PE jacket is rated for a 5.8 GHz maximum operating frequency. This 50 Ohm 0.590 inch diameter and low loss fire rated coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-600-FR PE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Pasternack's offering of LMR-600-FR coax cable provides specs for this wire on its RF coax cable LMR-600-FR datasheet.

LMR-600-FR cable is part of more than one million RF, microwave parts in stock at Pasternack. This Times Microwave low loss flexible LMR-600-FR coax cable is ready to buy and can be shipped worldwide. Pasternack 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.17 3.84		ns/ft ns/m
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			4,000	Vdc

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated LMR-600-FR](#)



Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated

RF Cables Technical Data Sheet



LMR-600-FR

Jacket Spark	8,000	Vrms
Inner Conductor DC Resistance	0.53	Ohms/1000ft
Outer Conductor DC Resistance	1.2	Ohms/1000ft
Nominal Capacitance	23.4 [76.77]	pF/ft [pF/m]
Nominal Inductance	0.058 [0.19]	uH/ft [uH/m]
Input Power (Peak)	40	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.5	1	1.2	1.7	2.5	dB/100ft
	1.64	3.28	3.94	5.58	8.2	dB/100m
Input Power (CW), Max	4,240	2,410	1,970	1,350	930	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	3.3	3.7	3.9	4.4	7.3	dB/100ft
	10.83	12.14	12.8	14.44	23.95	dB/100m
Input Power (CW), Max	700	630	590	520	320	Watts

Mechanical Specifications

Diameter	0.59 in [14.99 mm]
Weight	0.131 lbs/ft [0.19 Kg/m]
Min. Bend Radius (Installation)	1.5 in [38.1 mm]
Min. Bend Radius (Repeated)	6 in [152.4 mm]
Bending Moment	2.75 lbs-ft [3.73 N-m]
Tensile Strength	350 lbs [158.76 kg]
Flat Plate Crush	60 lbs/in [1.07 Kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.176 in [4.47 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated LMR-600-FR](#)



Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated

RF Cables Technical Data Sheet



LMR-600-FR

Conductor Type	Solid	
Dielectric	Foam PE	0.455 in [11.56 mm]
First Shield	Aluminum Tape	[]
Second Shield	Tinned Copper	[]
Jacket	PE, Black	0.59 in [14.99 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:

Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

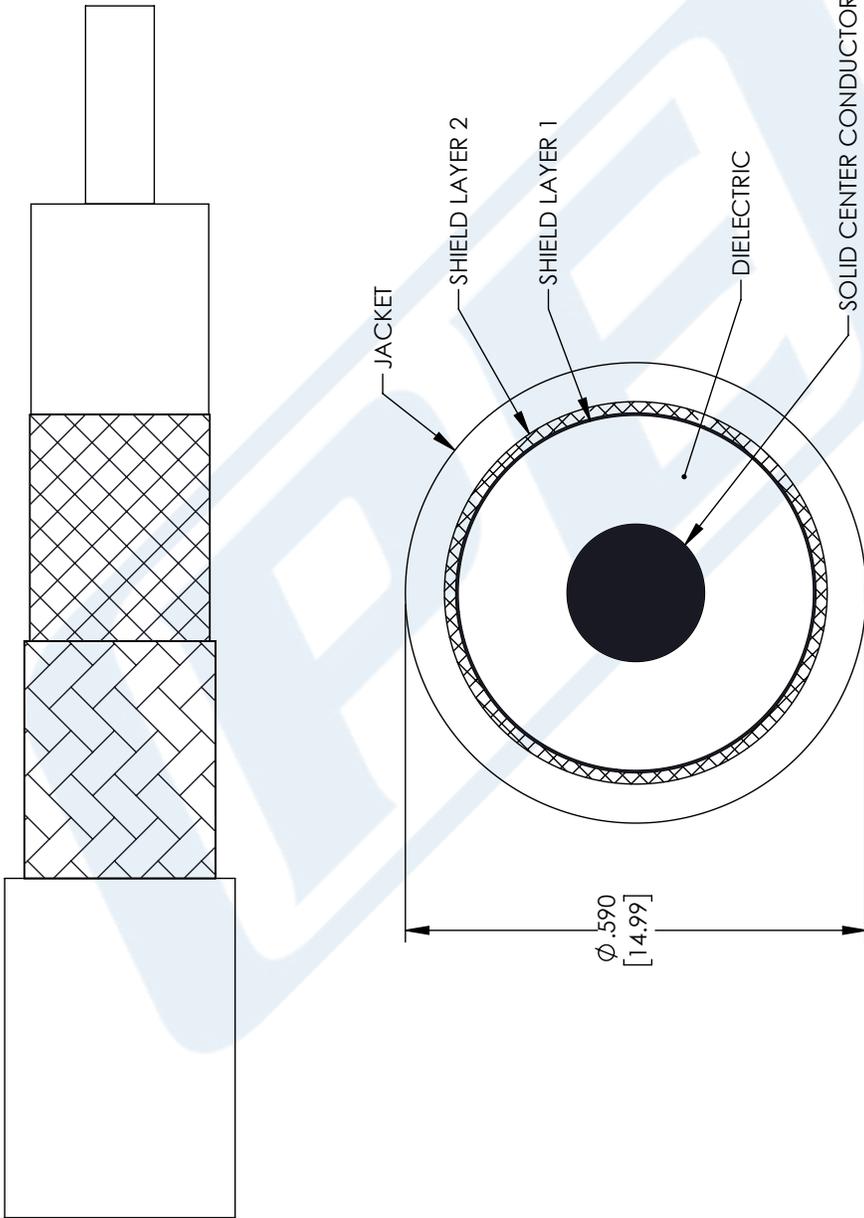
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URL: <https://www.pasternack.com/low-loss-flexible-lmr-600-fr-pe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-lmr-600-fr-p.aspx>

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TIMES MICROWAVE SYSTEMS **LMR-600-FR CAD Drawing**
 Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable
 Double Shielded with Black PE Jacket Fire Rated

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



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X = ±.2 [.51] FRACTIONS ± 1/32 .XX = ±.02 [.51] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1°</p> <p>CABLE LENGTH (L), TOLERANCES:</p> <p>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 = +5% / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	<p>PE PASTERNAK an INFINITI brand</p> <p>Pasternack Enterprises, Inc. P. O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
	<p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY MVEERAPPAN</p> <p>ITEM NO. LMR-600-FR</p>	<p>REV A</p>

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