



N Male Connector Crimp/Solder Attachment for LMR-600 Cable

RF Connectors Technical Data Sheet


TC-600-NMH-X

Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-600
- 20.57 mm Hex

Features

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 50 μ in. minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Type N male connector with crimp/solder attachment for LMR-600, part number TC-600-NMH-X, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Fairview's type N male connector TC-600-NMH-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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			0.8	mOhms
Outer Conductor DC Resistance			0.4	mOhms
Insulation Resistance	5,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
Insertion Loss, Max	0.1					dB

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



N Male Connector Crimp/Solder Attachment for LMR-600 Cable

RF Connectors Technical Data Sheet



TC-600-NMH-X

Mechanical Specifications

Size

Length	1.82 in [46.23 mm]
Width/Dia.	0.801 in [20.35 mm]
Weight	0.102 lbs [46.27 g]
Mating Torque	44 in-lbs [4.97 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50µ in. minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 100µ in. minimum
Coupling Nut	Brass	Tri-Metal 100µ in. minimum

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
Shock	MIL-STD 202, Method 213, Condition I
Vibration	MIL-STD 202, Method 204, Condition B

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

Plotted and Other Data

Notes:

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



N Male Connector Crimp/Solder Attachment for LMR-600 Cable

RF Connectors Technical Data Sheet



TC-600-NMH-X

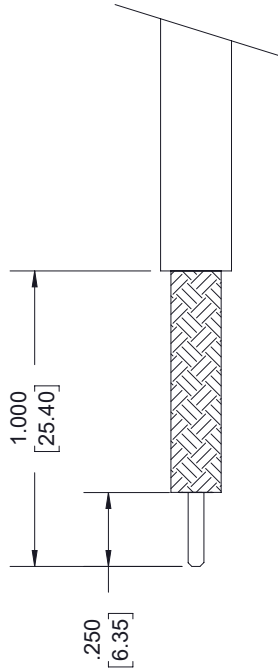
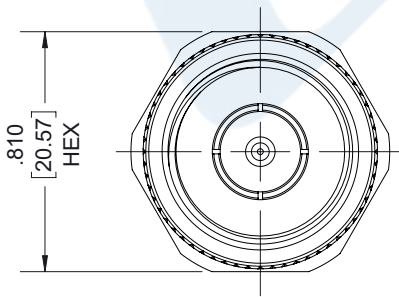
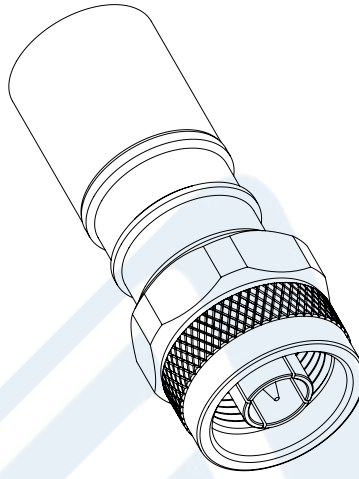
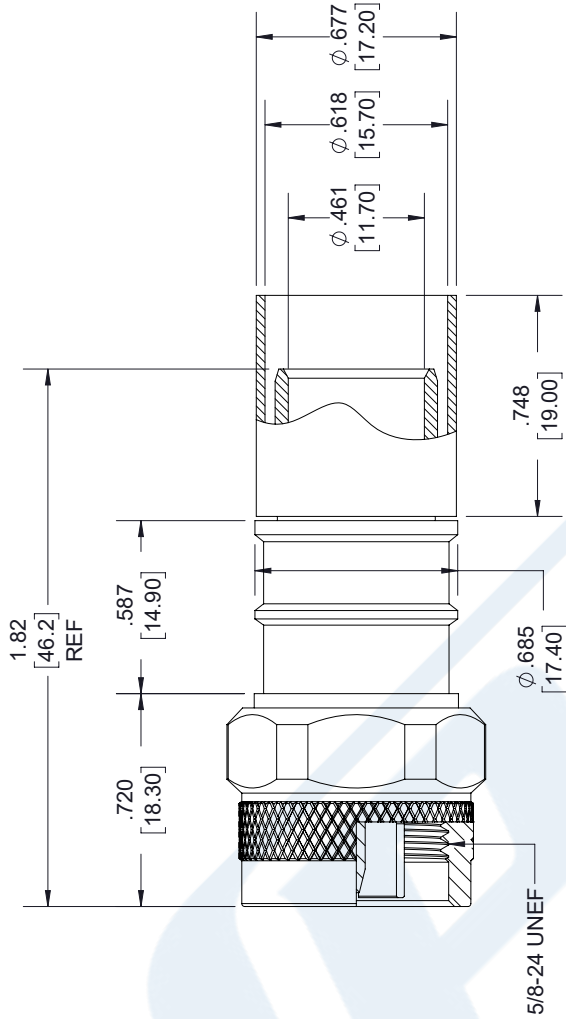
N Male Connector Crimp/Solder Attachment for LMR-600 Cable from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for LMR-600 Cable TC-600-NMH-X](https://www.fairviewmicrowave.com/n-male-lmr-600-connector-tc-600-nmh-x-p.aspx)

URL: <https://www.fairviewmicrowave.com/n-male-lmr-600-connector-tc-600-nmh-x-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/7/2020	S.ELLIS



STRIPPING DIMENSIONS

- NOTES:
- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
 - CRIMP SIZE REQUIRED:
 - FERRULE: .618 [15.70] HEX. CRIMP TOOL.
 - CONTACT: SOLDER.

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

TOLERANCES:

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

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 ≤ ∞		= +5% / L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PE PASTERNAK
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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV	TC-600-NMH-X
ITEM NO	TC-600-NMH-X
DRAWN BY	K. DANG
CAGE CODE	53919



N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600

RF Connectors Technical Data Sheet



EZ-600-NMH-RA-X

Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-600, PE-C600
- 20.57 mm Hex

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.35:1
- Gold Plated Beryllium Copper Contact
- 1.27µm minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's EZ-600-NMH-RA-X type N male right angle connector with crimp/non-solder contact attachment for LMR-600 and PE-C600 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector EZ-600-NMH-RA-X datasheet specifications and drawing with dimensions 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			1.35:1	
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 0.15	0.15 to 0.9	0.9 to 1.5	1.5 to 2.5	2.5 to 6	GHz
Insertion Loss, Max	0.04	0.1	0.13	0.16	0.25	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600 EZ-600-NMH-RA-X](#)



N Male Right Angle Connector Crimp/Non-Solder
Contact Attachment for LMR-600, PE-C600

RF Connectors
Technical Data Sheet



EZ-600-NMH-RA-X

Mechanical Specifications

Size	
Length	2.36 in [59.94 mm]
Width/Dia.	0.81 in [20.57 mm]
Height	1.42 in [36.07 mm]
Weight	0.243 lbs [110.22 g]
Mating Torque	9 to 14 in-lbs [1.02 to 1.58 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 1.27µm minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 2µm minimum
Coupling Nut	Brass	Tri-Metal 2µm minimum

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C
Shock	MIL-STD 202, Method 213, Condition I
Vibration	MIL-STD 202, Method 204, Condition B

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600 EZ-600-NMH-RA-X](#)



N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600

RF Connectors Technical Data Sheet



EZ-600-NMH-RA-X

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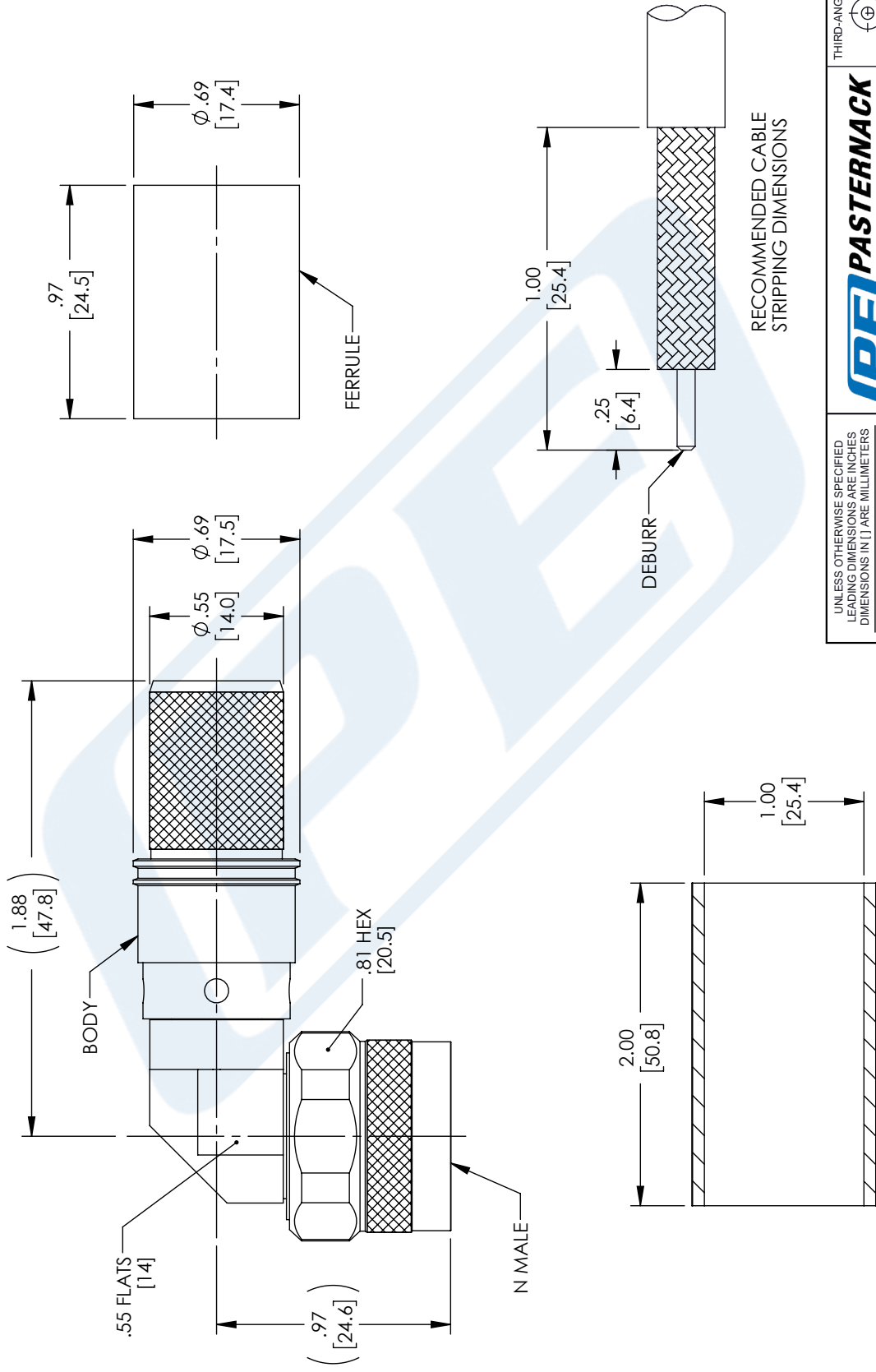
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-600, PE-C600 EZ-600-NMH-RA-X](https://www.pasternack.com/n-male-lmr-600-pe-c600-connector-ez-600-nmh-ra-x-p.aspx)

URL: <https://www.pasternack.com/n-male-lmr-600-pe-c600-connector-ez-600-nmh-ra-x-p.aspx>

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TIMES MICROWAVE SYSTEMS **EZ-600-NMH-RA-X CAD Drawing**
 N Male Right Angle Connector Crimp/Non-Solder Contact
 Attachment for LMR-600, PE-C600

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		
B	PCR EZ-600-NMH-RA-X 20220822	8/26/2022	SRAUTUS



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SHEET 1 OF 1

SCALE N/A

REV B

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ITEM NO. EZ-600-NMH-RA-X-PE

SIZE A

CAGE CODE 53919

DRAWN BY BPUCHASKI

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TOLERANCES:

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LMR-LW600 Light weight version of the 600 series Low Loss Coax

Times Microwave Systems Coax Cable Specification

Configuration

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

Features

- Light Weight Coax with Aluminum Shielding
- Max Operating Frequency of 8 GHz
- Phase Velocity 85% VoP
- Max Operating Temperature +85°C
- PE Jacket
- Min Install Bend Radius of 1.5 inches

Applications

- Antenna Installs
- RF Test Systems
- General Purpose RF Interconnect
- Laboratory Applications

Description

LMR-LW600 Light weight 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-LW600 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-LW600 is constructed with a 0.590 inch diameter and Black PE jacket.

LMR-LW600 flexible 50 Ohm coax cable with PE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.590 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-LW600 PE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Pasternack's offering of LMR-LW600 coax cable provides specs for this wire on its RF coax cable LMR-LW600 datasheet.

LMR-LW600 cable is part of more than one million RF, microwave parts in stock at Pasternack. This Times Microwave low loss and light weight LMR-LW600 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		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
Jacket Spark			8,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-LW600 Light weight version of the 600 series Low Loss Coax LMR-LW600](#)



LMR-LW600 Light weight version of the 600 series Low Loss Coax

RF Cables Technical Data Sheet



LMR-LW600

Inner Conductor DC Resistance	0.53	Ohms/1000ft
Outer Conductor DC Resistance	4.4	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	0.05	0.15	0.45	0.9	1.5	GHz
Attenuation, Typ	0.5	1	1.7	2.5	3.3	dB/100ft
	1.64	3.28	5.58	8.2	10.83	dB/100m
Input Power (CW), Max	4,240	2,410	1,350	930	700	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	8	GHz
Attenuation, Typ	3.7	3.9	4.4	7.3	8.8	dB/100ft
	12.14	12.8	14.44	23.95	28.87	dB/100m
Input Power (CW), Max	630	590	520	320	260	Watts

Mechanical Specifications

Diameter	0.59 in [14.99 mm]
Weight	0.099 lbs/ft [0.15 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	260 lbs [117.93 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]
Conductor Type	Solid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-LW600 Light weight version of the 600 series Low Loss Coax LMR-LW600](#)



LMR-LW600 Light weight version of the 600 series Low Loss Coax

RF Cables Technical Data Sheet



LMR-LW600

Dielectric	Foam PE	0.455 in [11.56 mm]
First Shield	Aluminum Tape	[]
Second Shield	Aluminium	[]
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:

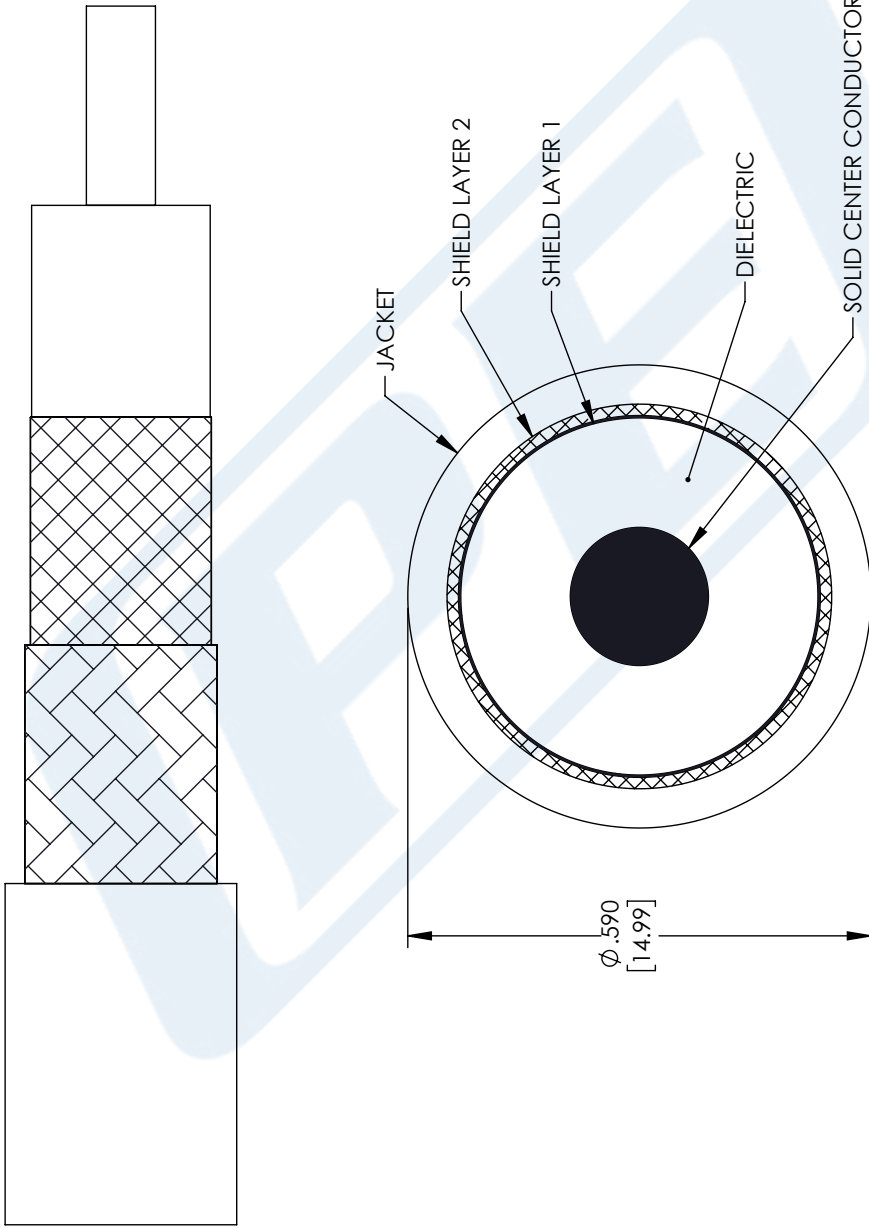
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URL: <https://www.pasternack.com/low-loss-flexible-lmr-lw600-pe-jacket-aluminum-tape-over-aluminium-outer-conductor-double-shielded-lmr-lw600-p.aspx>

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



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SIZE [CAGE CODE] DRAWN BY ITEM NO.
 A 53919 MVEERAPPAN LMR-LW600

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

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