



UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB, PE-C600

RF Connectors Technical Data Sheet



EZ-600-UM-X

Times Microwave Systems Connector Specification

Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-600, LMR-600-DB, PE-C600

Features

- Max. Operating Frequency 3 GHz
- Silver Plated Phosphor Bronze Contact
- 200µin contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Times Microwave's EZ-600-UM-X UHF male connector with crimp/non-solder contact attachment for LMR-600 is part of our full line of RF components available for same-day shipping. Times Microwave's UHF male connector operates up to a maximum frequency of 3 GHz.

Times Microwave's UHF male connector EZ-600-UM-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		3	GHz
Insertion Loss			0.17	dB
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Insulation Resistance	10,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2.45					GHz
VSWR, Max	1.3:1					

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



UHF Male Connector Crimp/Non-Solder Contact
Attachment for LMR-600, LMR-600-DB, PE-C600

RF Connectors
Technical Data Sheet

Mechanical Specifications

Size

Length	2.54 in [64.52 mm]
Width	0.69 in [17.50 mm]
Height	0.69 in [17.50 mm]
Weight	0.01 lbs [5.39 g]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Silver 200µin
Insulation	PTFE	
Body	Brass	Tin/Nickel 100µin
Coupling Nut	Brass	Tin/Nickel 100µin
Crimp Sleeve	Copper	Tin/Nickel 100µin

Environmental Specifications

Temperature

Operating Range	-40 to 125 deg C
Shock	MIL-STD-202, Meth. 213, Cond. G
Vibration	MIL-STD-202, Meth. 204, Cond. B
Thermal Shock	MIL-STD-202, Meth. 107, Cond. 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: [UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB, PE-C600 EZ-600-UM-X](#)



UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB, PE-C600

RF Connectors Technical Data Sheet



EZ-600-UM-X

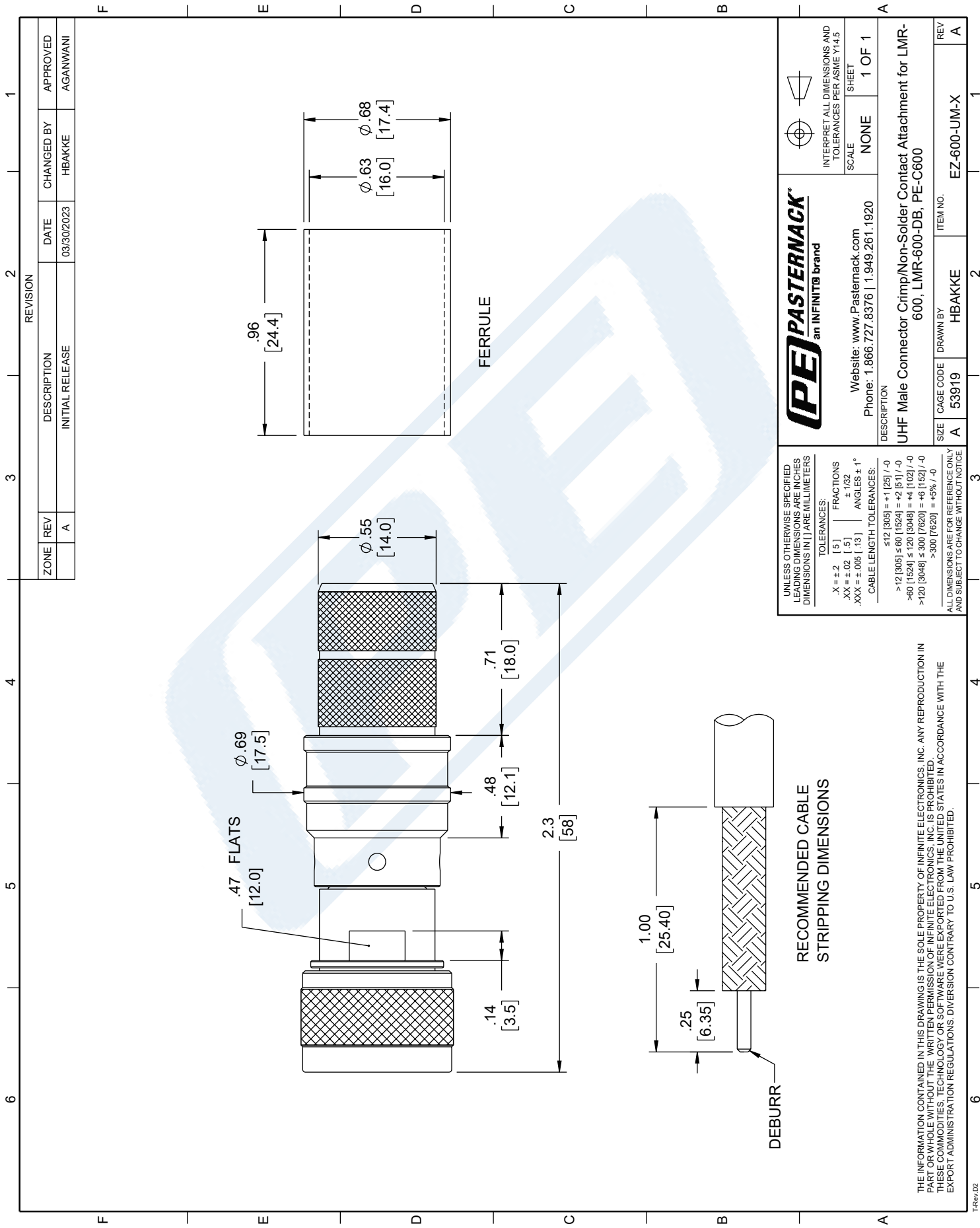
UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB, PE-C600 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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

URL: <https://www.pasternack.com/uhf-male-lmr-600-pe-c600-connector-ez-600-um-x-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

TIMES MICROWAVE SYSTEMS **EZ-600-UM-X CAD Drawing**
UHF Male Connector Crimp/Non-Solder Contact Attachment
for LMR-600, LMR-600-DB, PE-C600



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/30/2023	HBAKKE	AGANWANI

PE PASTERNAK an INFINITI® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X = ±.2 [5] FRACTIONS .XX = ±.02 [.5] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1° CABLE LENGTH TOLERANCES: ≤12 [305] = +1 [25] / -0 >12 [305] ≤60 [1524] = +2 [51] / -0 >60 [1524] ≤120 [3048] = +4 [102] / -0 >120 [3048] ≤300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		DESCRIPTION UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB, PE-C600	REV A
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	HBAKKE	EZ-600-UM-X



N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

RF Connectors Technical Data Sheet

PE44454

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C600, LMR-600, LMR-600-DB, 0.600 inch Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44454 type N male connector with crimp/solder attachment for PE-C600, LMR-600, LMR-600-DB and 0.600 inch 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 11 GHz.

Our type N male connector PE44454 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		11	GHz

Mechanical Specifications

Size	
Length	2.04 in [51.82 mm]
Width/Dia.	0.86 in [21.84 mm]
Weight	0.165 lbs [74.84 g]

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 PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44454](#)



N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

RF Connectors Technical Data Sheet

PE44454

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch from Pasternack Enterprises 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.

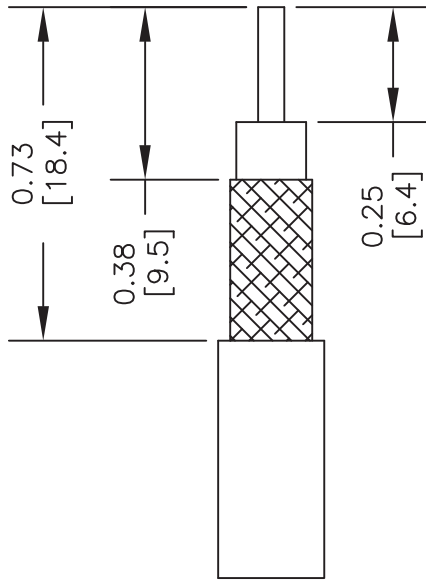
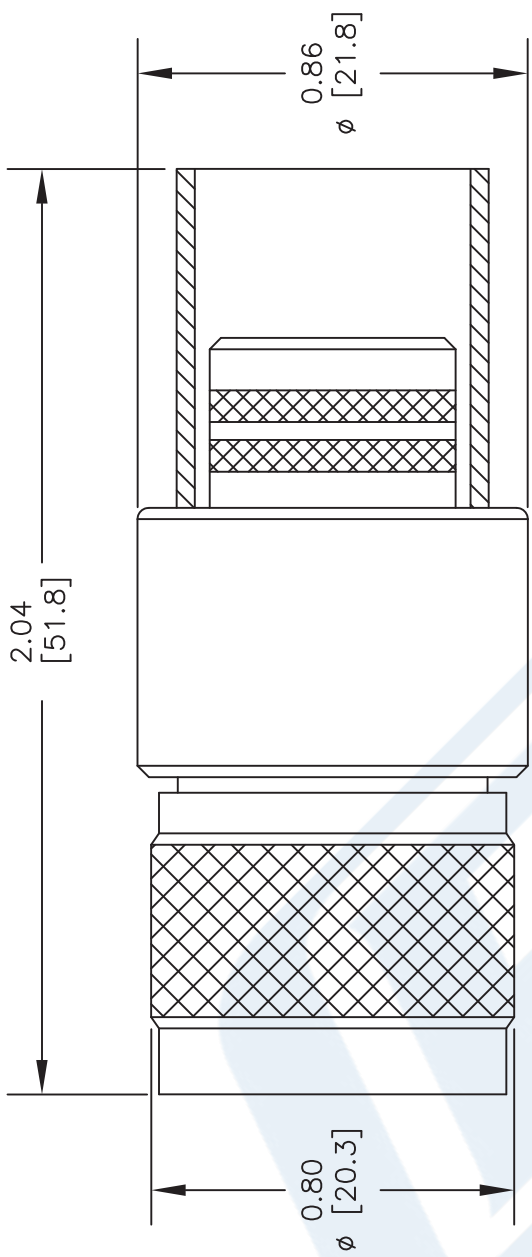
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44454](#)

URL: <https://www.pasternack.com/n-male-standard-pe-c600-connector-pe44454-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44454 CAD Drawing

N Male Connector Crimp/Solder Attachment for PE-
C600, LMR-600, LMR-600-DB, 0.600 inch



STRIPPING DIMENSIONS
CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .610 HEX CRIMP TOOL



PASTERNAK®
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE
PE44454

FSCM NO. 53919

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

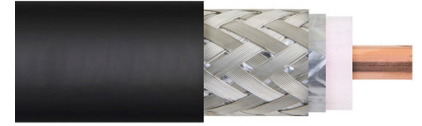
CAD FILE 061810

SCALE N/A

SIZE A

2233

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



LMR-600-DB



Times Microwave Systems Connector Specification

Configuration

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

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 87% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

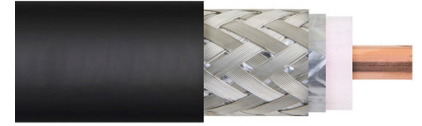
LMR-600-DB part number from Pasternack is a LMR-600-DB coax cable that is flexible. Pasternack LMR-600-DB flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-600-DB coax is constructed with a 0.59 jacket made of PE. LMR-600-DB coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-600-DB coax cable has an attenuation at 1 GHz of 2.62 dB.

Pasternack LMR-600-DB coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-600-DB cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-600-DB or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		10.3		GHz
Impedance		50		Ohms
Velocity of Propagation		87		%
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
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

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



LMR-600-DB

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	0.136 lbs/ft [0.2 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 Clad Aluminum, 1 Strand	0.176 in [4.47 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.455 in [11.56 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, Black	0.59 in [14.99 mm]

Environmental Specifications

Temperature	
Operating 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-DB Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-600-DB

Low Loss Flexible LMR-600-DB Outdoor Rated Coax Cable Double Shielded with Black PE Jacket 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: [Low Loss Flexible LMR-600-DB Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-600-DB](#)

URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-pe-jacket-double-shielded-lmr-600-db-p.aspx>

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

