RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



PE44470

Configuration

- N Plug Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44470 RP type N plug connector with crimp/solder attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF is part of our full line of RF components available for same-day shipping. The plug reverse polarity configuration uses a plug connector body with a female inner contact receptacle. Our type N plug connector operates up to a maximum frequency of 11 GHz.

Our reverse polarity type N plug connector PE44470 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
Insertion Loss			0.2	dB
Operating Voltage (DC)			1,500	Vdc
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.465 in [37.21 mm]
Width	0.83 in [21.08 mm]
Height	0 in [0 mm]
Weight	0.078 lbs [35.38 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

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RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



PE44470

Environmental Specifications

Temperature

Operating Range	-55 to +85 deg C
Vibration	MIL-Std. 202 Method 204 (Test Condition B)
Altitude	MIL-Std. 202 Method 105 (Test Condition C)
Temperature Cycle	MIL-Std. 202 Method 102 (Test Condition C) All N-type Connectors are Weatherproof

Environmental Specification Notes:
Moisture Resistance: MIL-Std. 202 Method 106 (Test Condition B) ; Corrosion: MIL-Std. 202 Method 101 (Test Condition C)

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF 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: RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF PE44470

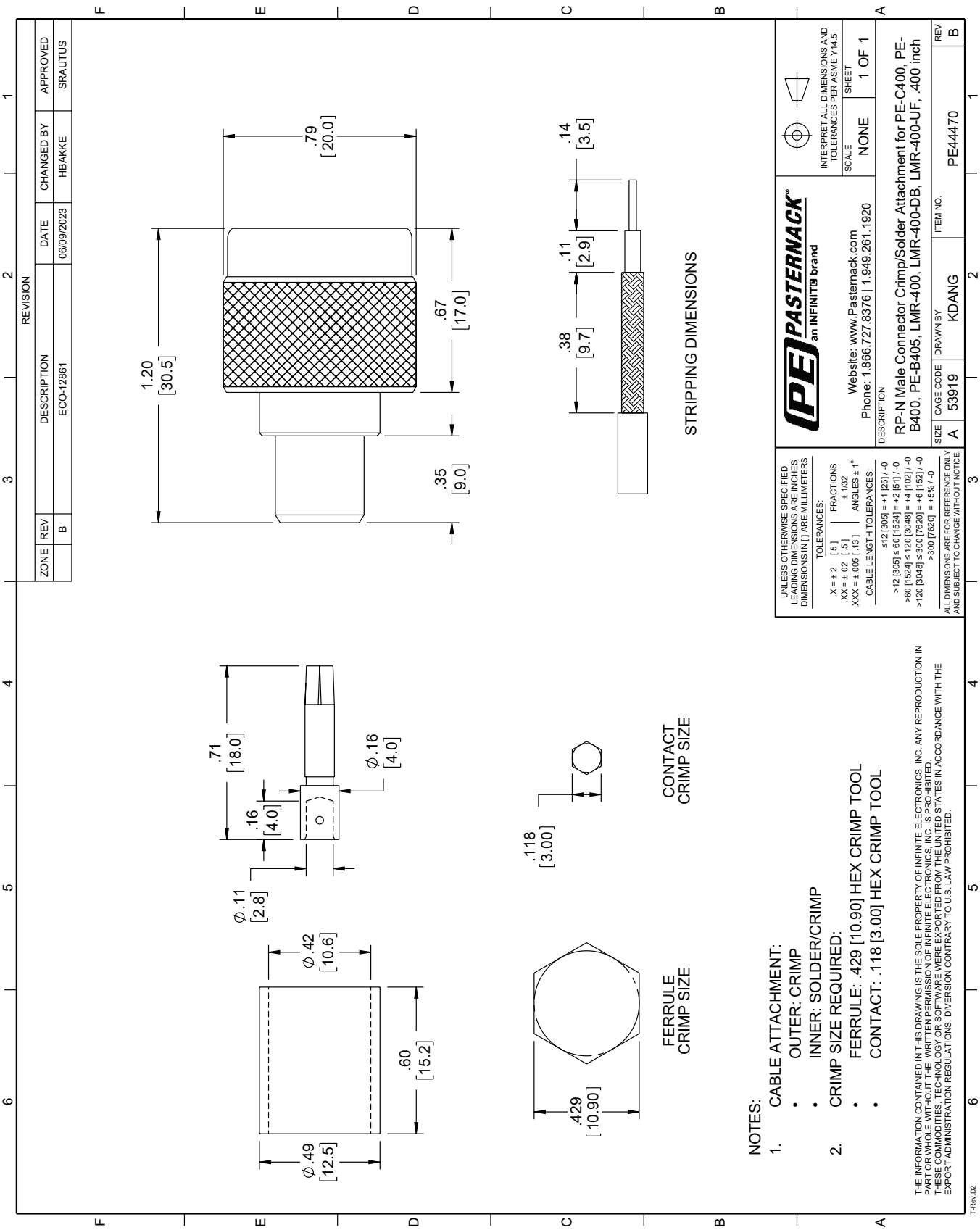
URL: https://www.pasternack.com/n-male-reverse-polarity-pe-b400-pe-b405-pe-c400-connector-pe44470-p.aspx

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PE44470 CAD Drawing

RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



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RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



PE44470

Configuration

- N Plug Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF

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- Gold Plated Brass Contact
- Reverse Polarity

Applications

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- Custom Cable Assemblies

Description

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RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



PE44470

Environmental Specifications

Temperature

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Vibration	MIL-Std. 202 Method 204 (Test Condition B)
Altitude	MIL-Std. 202 Method 105 (Test Condition C)
Temperature Cycle	MIL-Std. 202 Method 102 (Test Condition C) All N-type Connectors are Weatherproof

Environmental Specification Notes:
Moisture Resistance: MIL-Std. 202 Method 106 (Test Condition B) ; Corrosion: MIL-Std. 202 Method 101 (Test Condition C)

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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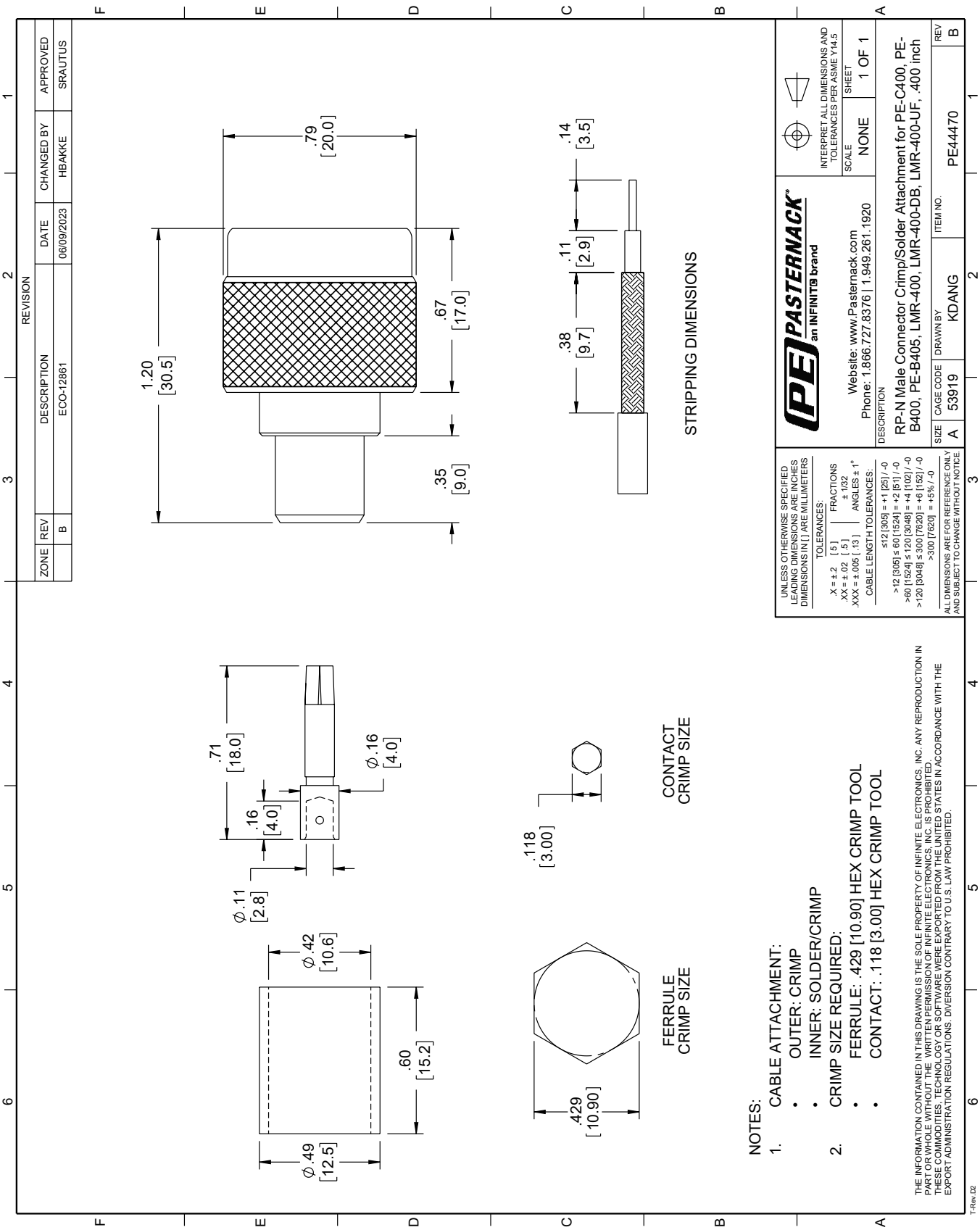
URL: https://www.pasternack.com/n-male-reverse-polarity-pe-b400-pe-b405-pe-c400-connector-pe44470-p.aspx

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PE44470 CAD Drawing

RP-N Plug Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF



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Low Loss Flexible LMR-400-DB Outdoor/Watertight Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400-DB

TIMES MICROWAVE SYSTEMS An Amphenol Company

Times Microwave Systems Connector Specification

Configuration

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

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 85% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-400-DB part number from Pasternack is a LMR-400-DB coax cable that is flexible. Pasternack LMR-400-DB flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-400-DB coax is constructed with a 0.405 jacket made of PE. LMR-400-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-400-DB coax cable has an attenuation at 1 GHz of 4.15 dB.

Pasternack LMR-400-DB coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-400-DB cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-400-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		16.2		GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.2 [3.94]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resistance			1.39	Ohms/1000ft
Outer Conductor DC Resistance			1.65	Ohms/1000ft
Nominal Capacitance		23.9 [78.41]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			16	kWatts

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Low Loss Flexible LMR-400-DB Outdoor/Watertight Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400-DB

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.9	1.5	1.9	2.7	3.9	dB/100ft
	2.95	4.92	6.23	8.86	12.8	dB/100m
Input Power (CW), Max	2,570	1,470	1,200	830	580	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	5.1	5.7	6	6.8	10.8	dB/100ft
	16.73	18.7	19.69	22.31	35.43	dB/100m
Input Power (CW), Max	440	400	370	330	210	Watts

Mechanical Specifications

Diameter	0.405 in [10.29 mm}
Weight	0.07 lbs/ft [0.1 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 Strand	0.108 in [2.74 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, Black	0.405 in [10.29 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:

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Low Loss Flexible LMR-400-DB Outdoor/Watertight Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400-DB

Low Loss Flexible LMR-400-DB Outdoor/Watertight 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-400-DB Outdoor/Watertight Rated Coax Cable Double Shielded with Black PE Jacket LMR-400-DB

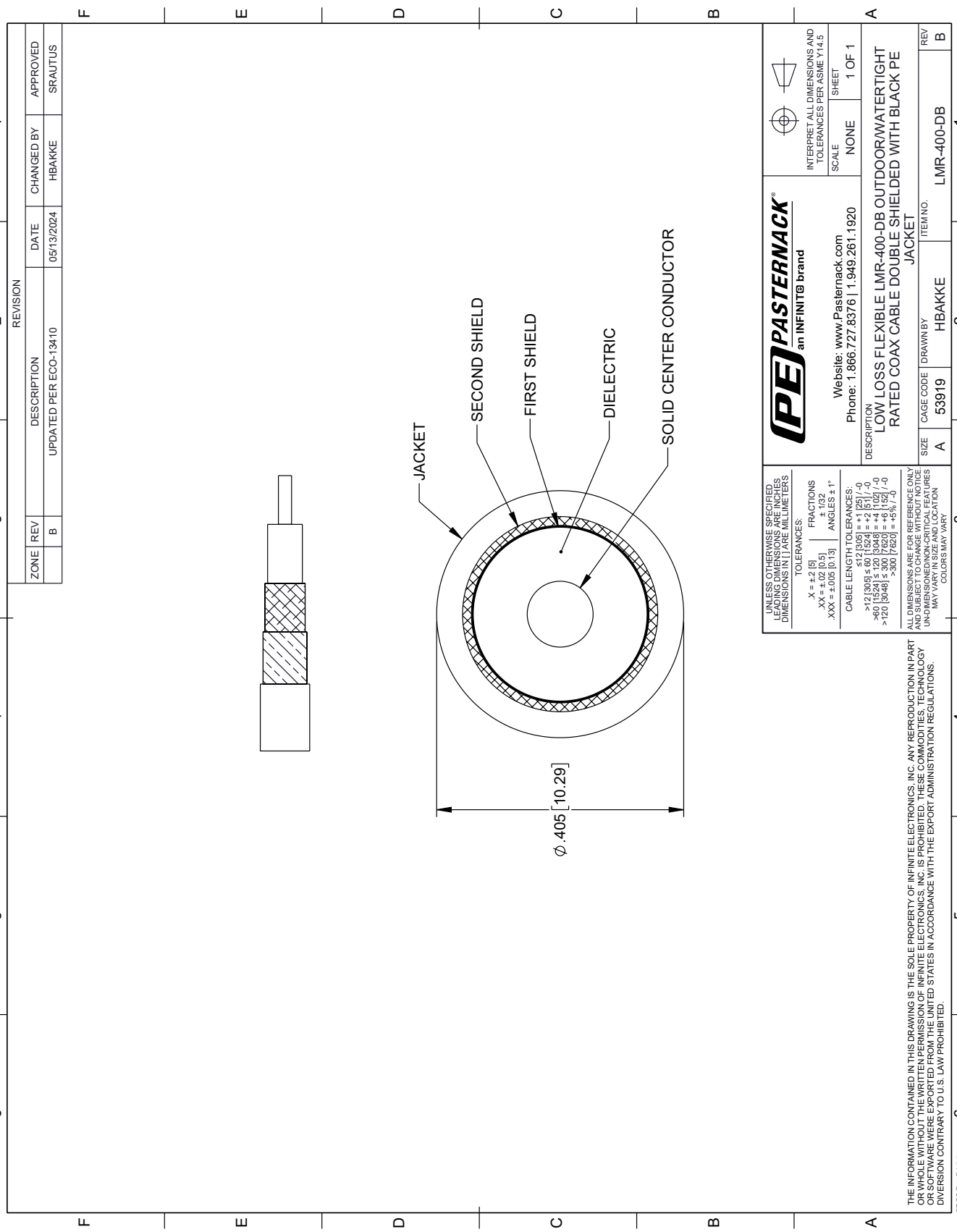
URL: https://www.pasternack.com/50-ohm-low-loss-flexible-lmr400db-pe-jacket-double-shielded-black-lmr-400-db-p.aspx

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LMR-400-DB CAD Drawing

Low Loss Flexible LMR-400-DB Outdoor/Watertight Rated Coax Cable Double Shielded with Black PE Jacket



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