7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

RF Connectors Technical Data Sheet PE44538

Configuration

- 7/16 DIN Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch Interface Type
- Crimp/Non-Solder Contact Attachment
- 1 1/4 inch Hex

Features

- Max. Operating Frequency 7.5 GHz
- Silver Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44538 7/16 DIN male connector with crimp/non-solder contact attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF and 0.400 inch is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz.

Our 7/16 DIN male connector PE44538 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		7.5	GHz

Mechanical Specifications

Size

Length	1.89 in [48.01 mm]
Width/Dia.	1.25 in [31.75 mm]
Weight	0.225 lbs [102.06 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44538

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7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
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:

7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 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.

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URL: https://www.pasternack.com/7-16-male-standard-pe-c400-0.400-connector-pe44538-p.aspx

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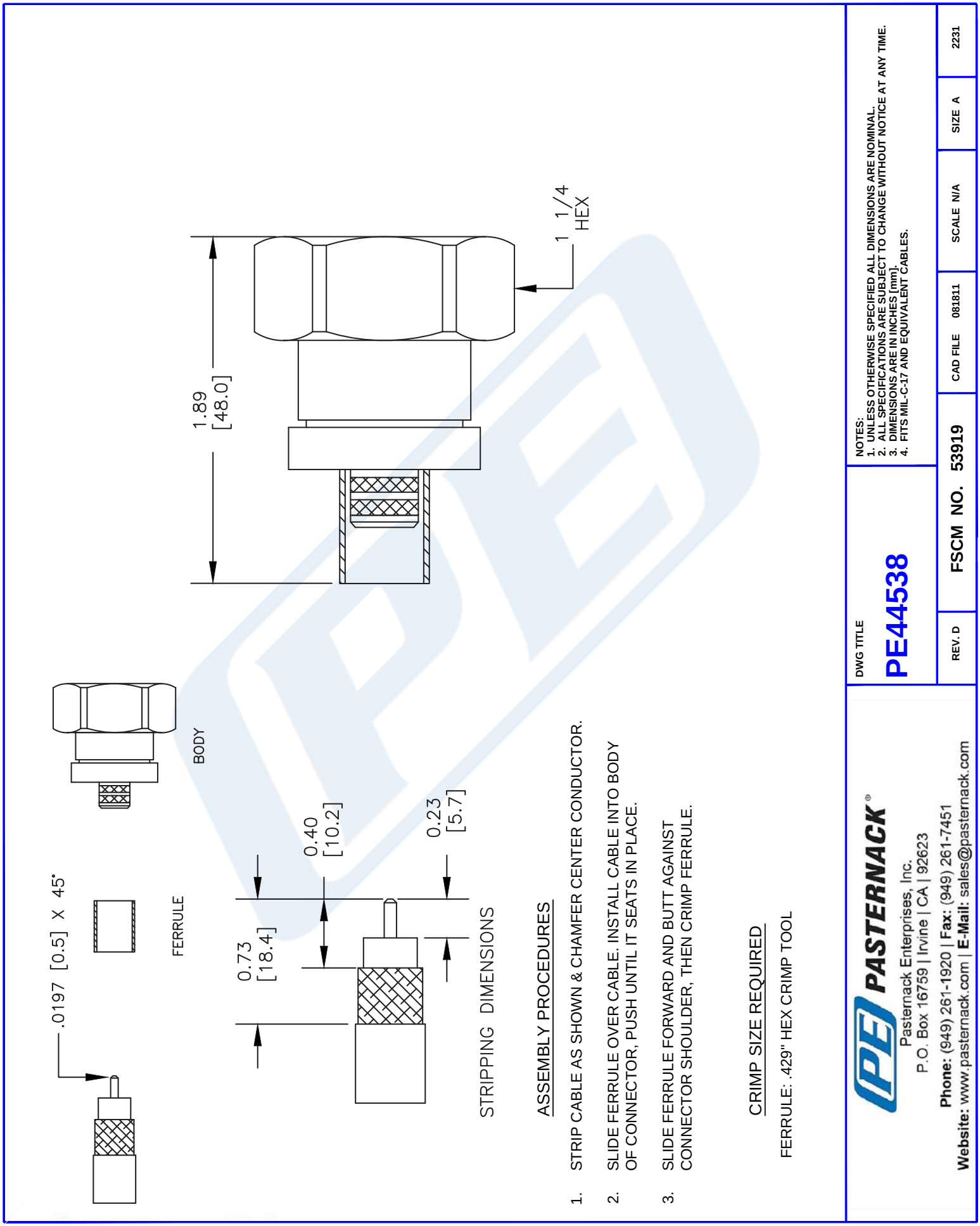
PE44538 CAD Drawing

7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch



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RF Connectors Technical Data Sheet PE44538

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- 1 1/4 inch Hex

Features

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- Silver Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44538 7/16 DIN male connector with crimp/non-solder contact attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF and 0.400 inch is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz.

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7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
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:

7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 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.

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URL: https://www.pasternack.com/7-16-male-standard-pe-c400-0.400-connector-pe44538-p.aspx

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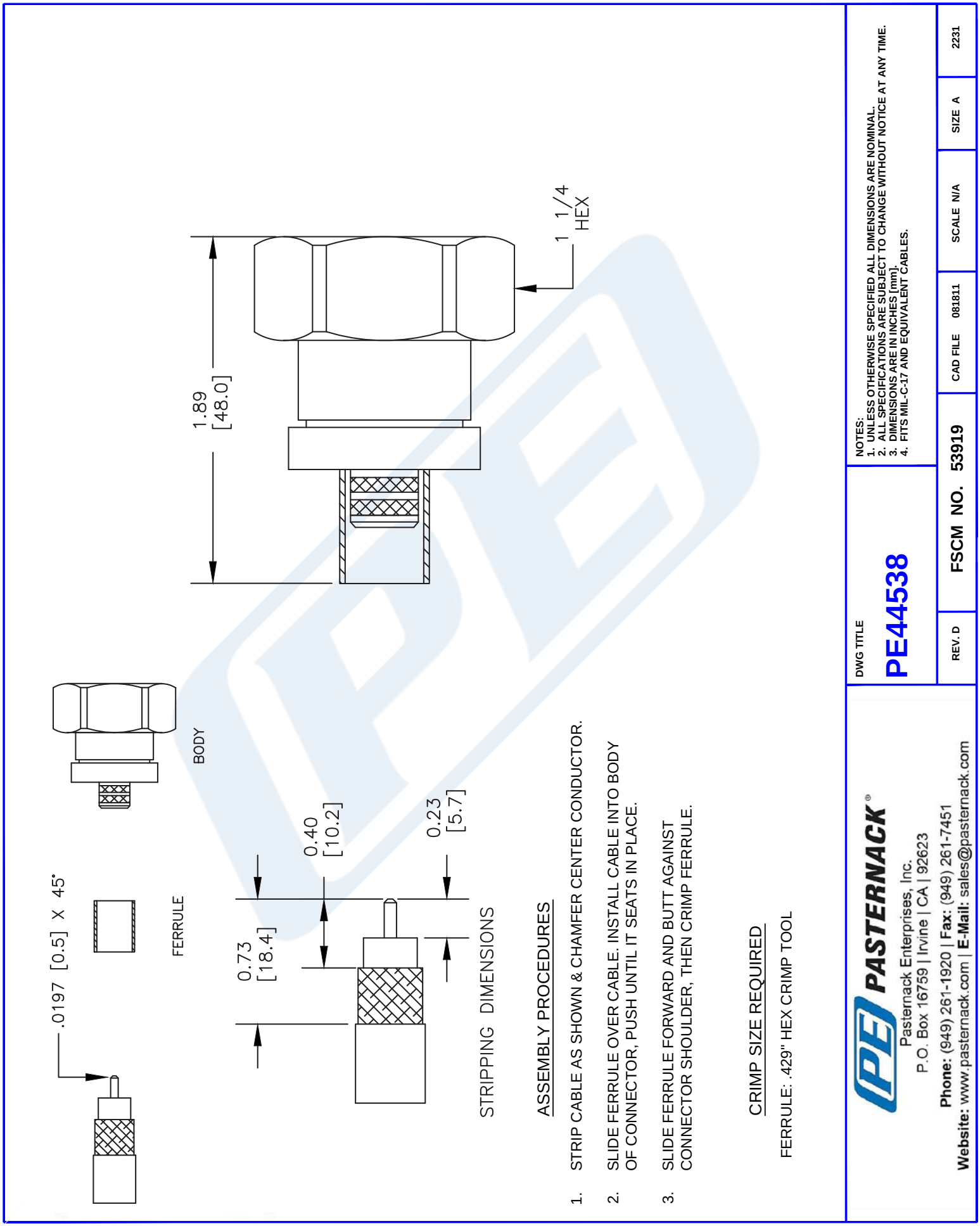
PE44538 CAD Drawing

7/16 DIN Male Connector Crimp/Non-Solder Contact Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch



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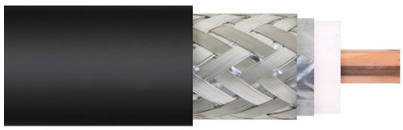
Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400

TIMES MICROWAVE SYSTEMS

Times Microwave Systems Connector Specification

Configuration

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

Features

- Flexible Low Loss Communications Coax
- Max Operating Frequency of 8 GHz
- Replacement for Air Dielectric type RG8 cable
- Double Shields provides RF Shielding in excess of 90 db
- Low Loss size for size compared to standard flexible cable

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-400 part number from Pasternack is a LMR-400 coax cable that is flexible. Pasternack LMR-400 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-400 coax is constructed with a 0.405 jacket made of PE. LMR-400 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 coax cable has an attenuation at 1 GHz of 4.25 dB.

Pasternack LMR-400 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-400 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-400 or other coax can be built and shipped same day as well.

* 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		1.2 [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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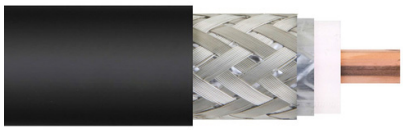
Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400

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	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	0.067 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	0.29 in [7.37 mm]
Second Shield	Tinned Copper Braid	0.32 in [8.13 mm]
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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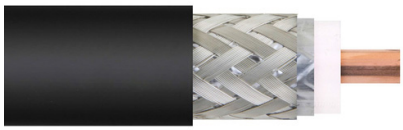
Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-400

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

URL: https://www.pasternack.com/50-ohm-low-loss-flexible-lmr400-pe-jacket-double-shielded-black-lmr-400-p.aspx

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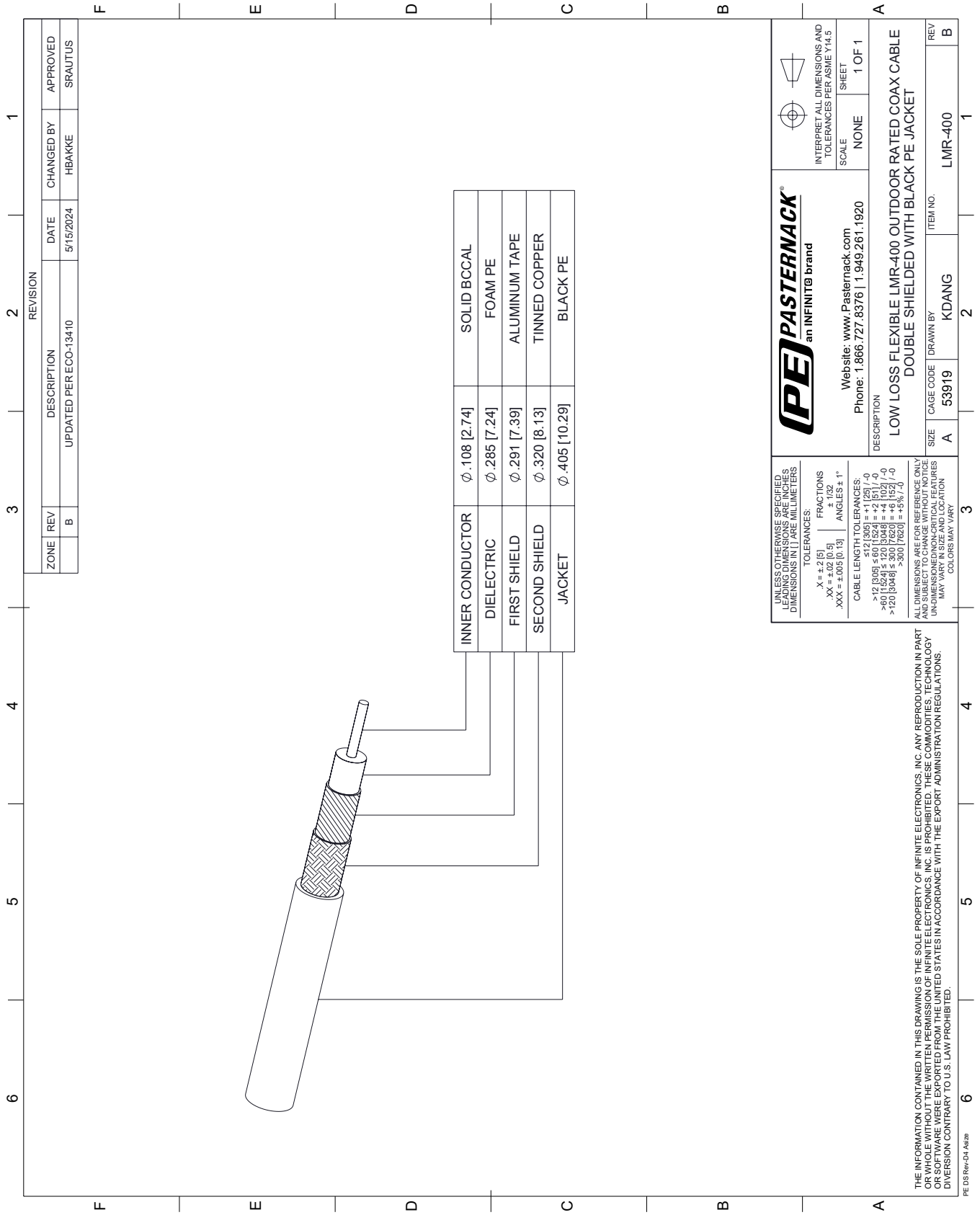
LMR-400 CAD Drawing

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



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