

0.086 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor



PE-SR405-NM-BULK

Configuration

- Non-Magnetic Semi-Rigid Cable

Features

Applications

- General Purpose Test
- Custom Cable Assemblies
- Medical
- Military and Aerospace
- Quantum Computing

Description

Pasternack's 0.0865 semi-rigid non-magnetic cable coaxial is available for same-day shipping from our facility. PE-SR405-NM-BULK cables from Pasternack are great choices for solutions requiring high quality and rapid shipping. Our non-magnetic RF cable has a 50 Ohm impedance and is rated for a 60 GHz maximum operating frequency. This high-quality cable is part of a large selection of in-stock, commercial-off-the-shelf, and custom-built coaxial cable assemblies for RF and microwave that all ship the same business day as they are ordered.

These semi-rigid RF cable assemblies are built with RF shielding of 165 dB and have a cable weight of 0.0014 lbs/ft. Our RF coaxial cable has a 0.02-inch SPC (silver-plated copper) conductor. The coaxial RF cable has a maximum attenuation of 186 dB/100ft and a maximum power of 19 Watts at a frequency of 50 GHz.

The technical performance specifications of this 60 GHz cable are located on the PE-SR405-NM-BULK datasheet PDF, along with a CAD drawing and dimensions. Our non-magnetic RF cable has a PTFE dielectric type. This RF non-magnetic cable has a copper outer conductor and a maximum operating temperature of 125 deg C. The Pasternack 0.0865 semi-rigid RF cable assembly data sheet with specs and drawing dimensions can be found on this product page just above.

0.0865 semi-rigid non-magnetic cable is one of a large selection of in-stock RF products available. Pasternack not only has this off-the-shelf but also custom versions of our cable assemblies are available for same-day shipping, we have thousands of other products that have same day shipping. Our expert technical support and knowledgeable sales teams are ready to help and answer your RF coaxial cable assembly questions.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		60	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	165			dB
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	18	GHz
Attenuation, Max	13.5	19.5	46	68	94	dB/100ft
	44.29	63.98	150.92	223.1	308.4	dB/100m
Input Power (CW), Max	235	165	70	50	35	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	26.5	40	50			GHz
Attenuation, Max	120	160	186			dB/100ft
	393.7	524.93	610.24			dB/100m
Input Power (CW), Max	26	21	19			Watts

Mechanical Specifications

Weight	0.014 lbs/ft [0.02 kg/m]
Min. Bend Radius (Installation)	0.125 in [3.18 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strand	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.066 in [1.68 mm]
Outer Conductor	Copper	0.086 in [2.18 mm]

Environmental Specifications

Temperature Operating Range	-55 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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PE-SR405-NM-BULK

0.086 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor 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.

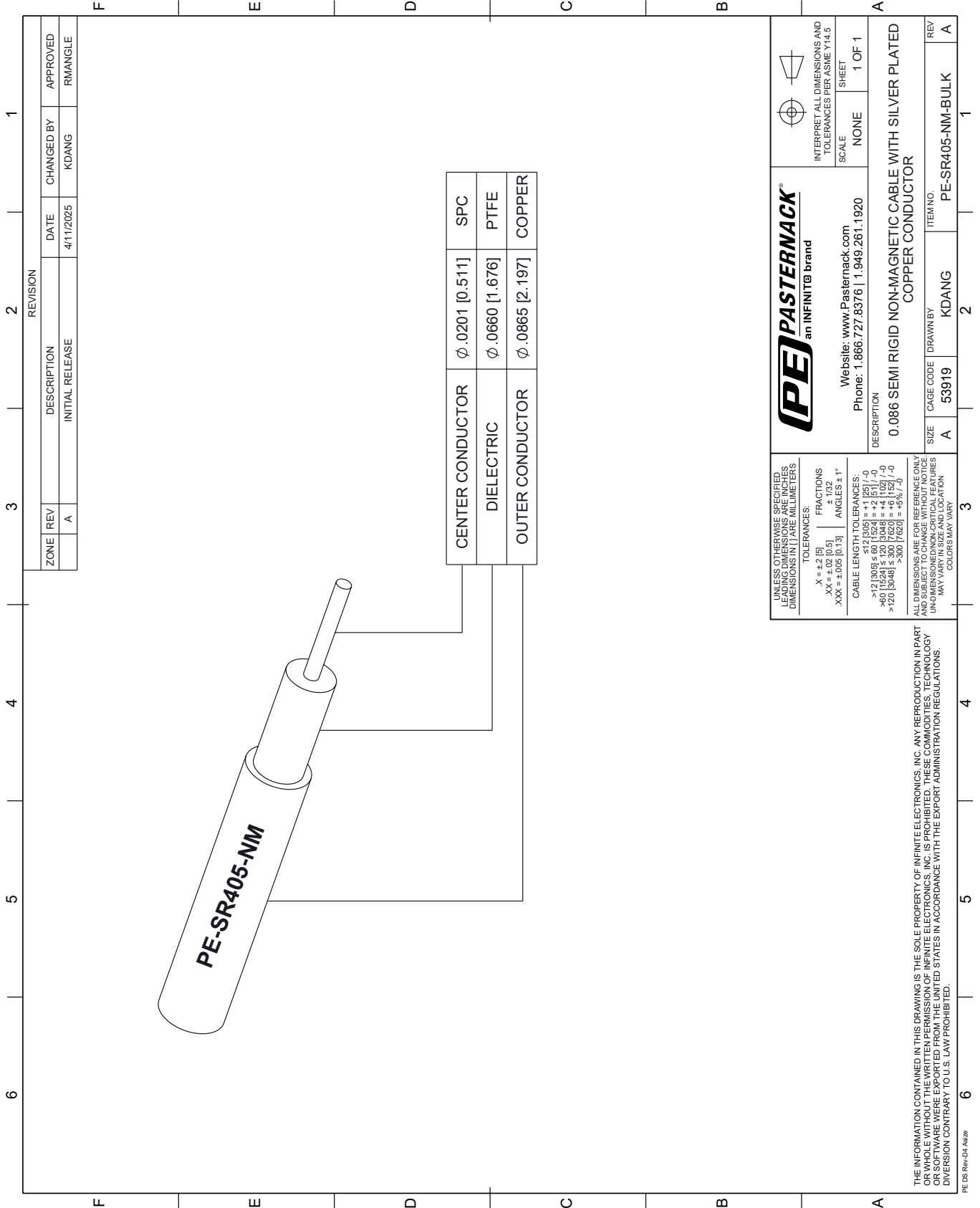
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.086 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor PE-SR405-NM-BULK](#)

URL: <https://www.pasternack.com/semirigid-sr-coax-cable-bare-plated-copper-coiled-pe-sr405-nm-bulk-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE-SR405-NM-BULK CAD Drawing

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: 0.086 SEMI RIGID NON-MAGNETIC CABLE WITH SILVER PLATED COPPER CONDUCTOR

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE-SR405-NM-BULK	A