



SMA Male Right Angle to TNC Female Right Angle Bulkhead Low Loss Cable Using PE-C200 Coax

TECHNICAL DATA SHEET

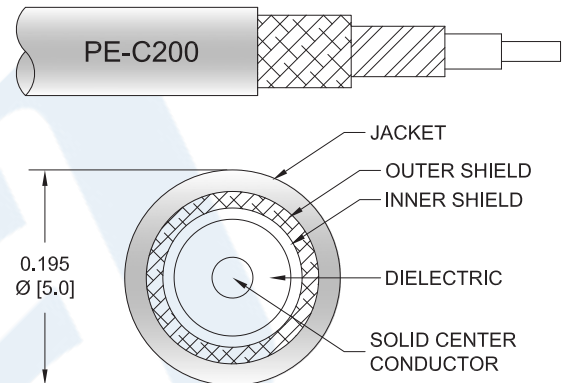
PE3W01930

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: TNC Female Right Angle Bulkhead
- Cable Type: PE-C200
- Coax Flex Type: Flexible

Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01930 SMA male right angle to TNC female right angle bulkhead cable using PE-C200 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to TNC cable assembly has a male to female gender configuration with 50 ohm flexible PE-C200 coax. The PE3W01930 SMA male to TNC female cable assembly operates to 5.8 GHz. The right angle SMA and right angle TNC interfaces on the PE-C200 cable allow for easier connections in tight spaces. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to TNC Female Right Angle Bulkhead Low Loss Cable Using PE-C200 Coax PE3W01930](#)



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PE3W01930

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Velocity of Propagation		83		%
RF Shielding	90			dB
Capacitance		24.5 [80.38]		pF/ft [pF/m]
Jacket Spark			3,000	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	5800	MHz	
PE3W01930	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.06	0.1	0.17	0.26	dB/ft	
			0.16	0.21	0.32	0.56	0.87	dB/m	
PE3W01930-12	12 inch	Insertion Loss (Typ.)	0.45	0.47	0.5	0.57	0.67	dB	0.128
PE3W01930-24	24 inch	Insertion Loss (Typ.)	0.5	0.53	0.6	0.74	0.93	dB	0.16
PE3W01930-36	36 inch	Insertion Loss (Typ.)	0.54	0.59	0.69	0.91	1.2	dB	0.191
PE3W01930-48	48 inch	Insertion Loss (Typ.)	0.59	0.66	0.79	1.08	1.46	dB	0.222
PE3W01930-60	60 inch	Insertion Loss (Typ.)	0.63	0.72	0.88	1.25	1.72	dB	0.253

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.2 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.128 pounds
Additional Weight per Inch:	0.00259 pounds

Mechanical Specifications

Cable Assembly

Weight	0.128 lbs [58.06 g]
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PE3W01930

Cable

Cable Type	PE-C200
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle Threaded	TNC Female Right Angle Bulkhead Threaded
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating	Brass, Gold	

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

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Bulkhead Low Loss Cable Using PE-C200 Coax

TECHNICAL DATA SHEET

PE3W01930

How to Order

Part Number Configuration:

PE3W01930

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W01930-12 = 12 inches long cable
PE3W01930-100cm = 100 cm long cable

SMA Male Right Angle to TNC Female Right Angle Bulkhead Low Loss Cable Using PE-C200 Coax 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: [SMA Male Right Angle to TNC Female Right Angle Bulkhead Low Loss Cable Using PE-C200 Coax PE3W01930](https://www.pasternack.com/sma-male-right-angle-to-tnc-female-bulkhead-low-loss-cable-using-pe-c200-coax-pe3w01930)

URL: <https://www.pasternack.com/sma-male-right-angle-to-tnc-female-bulkhead-low-loss-cable-using-pe-c200-pe3w01930-p.aspx>

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