

Waterproof IP68 SMA Male (Plug) to TNC Male (Plug) Low Loss Cable 48 Inch Length Using LMR®-195 Coax with Times Microwave Components



PE3C4164/WP-48

Configuration

- Connector 1: SMA Male
- Connector 2: TNC Male
- Cable Type: LMR®-195
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket
- Silicone Connector Boot
- IP68 Rated

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C4164/WP-48 SMA male to TNC male 48 inch cable using LMR®-195 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 male gender configuration with 50 ohm flexible LMR®-195 coax. 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ohms/1000ft [Ohms/Km]
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms

Mechanical Specifications

Cable Assembly
Length

48 in [121.92 cm]

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Width/Diameter	0.5 in [12.7 mm]
Weight	0.648 lbs [293.93 g]
Cable	
Cable Type	LMR®-195
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
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Flat Plate Crush	15 lbs/in [0.27 Kg/mm]
Tensile Strength	40 lbs [18.14 Kg]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	TNC Male
Option	Weatherproof Boot	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM B488	
Dielectric Type	Teflon	Teflon
Body Material and Plating	Passivated Stainless Steel	Brass, Silver
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Silver
Boot Material	Silicone	Silicone

Environmental Specifications

Ingress Protection (IP) Rating	IP68
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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Typical Performance Data

How to Order

Part Number Configuration:

PE3C4164/WP

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C4164/WP-12 = 12 inches long cable
PE3C4164/WP-100cm = 100 cm long cable

Waterproof IP68 SMA Male (Plug) to TNC Male (Plug) Low Loss Cable 48 Inch Length Using LMR®-195 Coax with Times Microwave Components 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: [Waterproof IP68 SMA Male \(Plug\) to TNC Male \(Plug\) Low Loss Cable 48 Inch Length Using LMR®-195 Coax with Times Microwave Components PE3C4164/WP-48](https://www.pasternack.com/waterproof-ip68-sma-male-plug-to-tnc-male-plug-low-loss-cable-48-inch-length-using-lmr-195-pe3c4164-wp-48-p.aspx)

URL: <https://www.pasternack.com/waterproof-ip68-sma-male-plug-to-tnc-male-plug-low-loss-cable-48-inch-length-using-lmr-195-pe3c4164-wp-48-p.aspx>

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PE3C4164/WP-48 CAD Drawing

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