

SMP Female Right Angle to UMCX Plug Right Angle Cable Using RG178 Coax

PE3C0716

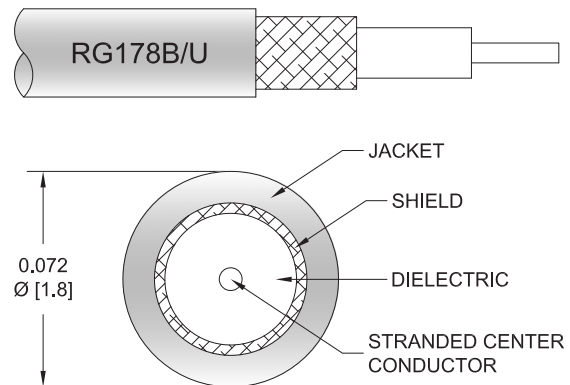


Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: UMCX Plug Right Angle
- Cable Type: RG178
- Coax Flex Type: Flexible

Features

- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0716 SMP female right angle to UMCX plug right angle cable using RG178 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 SMP to UMCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG178 coax. The right angle SMP and right angle UMCX interfaces on the RG178 cable allow for easier connections in tight spaces.

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		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.01 lbs [4.54 g]

Cable

Cable Type RG178
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1

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Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.393 in [9.98 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMP Female Right Angle	UMCX Plug Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	
Contact Plating Specification	MIL-DTL-45204	
Dielectric Type	PTFE	
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Outer Conductor Plating Specification	MIL-DTL-45204	
Body Material and Plating	Brass, Gold	
Body Plating Specification	MIL-DTL-45204	

Environmental Specifications

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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PE3C0716

Typical Performance Data

How to Order

Part Number Configuration:

PE3C0716

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C0716-12 = 12 inches long cable
PE3C0716-100cm = 100 cm long cable

SMP Female Right Angle to UMCX Plug Right Angle Cable Using RG178 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: [SMP Female Right Angle to UMCX Plug Right Angle Cable Using RG178 Coax PE3C0716](#)

URL: <https://www.pasternack.com/smp-female-right-angle-to-umcx-plug-cable-using-rg178-pe3c0716-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.

PE3C0716 CAD Drawing
SMP Female Right Angle to UMCX Plug Right Angle Cable Using RG178 Coax

