



UMCX 2.5 Plug to UMCX 2.5 Plug Cable 9 Inch Length Using RG178 Coax, RoHS

TECHNICAL DATA SHEET

Pasternack's UMCX 2.5 series ultra-miniature coaxial cable assemblies (also called 2.5mm UMCX) have a mated connection height of only 2.5mm. They are constructed using a flexible micro-coax cable and are compatible with products such as Hirose U.FL, IPEX MHF and other UMCX connector and cable manufactures. Our UMCX 2.5 plug connectors are comparable in design to the Hirose U.FL connectors and the IPEX MHF series connectors. Pasternack also provided three additional connector options for our in-series 0.81mm micro-coax jumper cables including UMCX 2.1, WMCX 1.6 and HMCX32 1.2 connectors. UMCX 2.5 are available in the following coax types; 0.81mm, 1.13mm, 1.37mm, RG178 and RG178-DS.

These small form factor, flexible micro-coax jumper cables provide a low profile RF connection perfect for board-to-board connectivity such as mini-PCI circuit boards. With performance up to 6 GHz, these UMCX jumper cables are ideal for wireless applications including Wi-Fi, Bluetooth, GPS, ZigBee, LTE and many others. Our UMCX 2.5 cable assemblies are available from stock in standard lengths, and custom lengths are available upon request. Standard length UMCX 2.5 cables ship same day they are ordered.

Features

- 2.5mm mated assembly height
- · Operate from DC to 6 GHz
- 100% RF and Continuity tested

Applications

- Wireless LAN, Mini PCI
- Mobile Antenna/GPS/Radio Systems
- PDA/PCS/Cellular Handset applications

UMCX 2.5 Plug

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DC to 6 GHz

50 Ohms

1.55:1

RG178

 Wireless Communications systems (LAN, GSM, PCS, WCDMA, UMTS)

Compatible with Hirose U.FL and IPEX MHF products

Small foot print with easy snap on/off mating

Configuration

Connector 1 Connector 2 Cable Type

Electrical Specifications

Frequency Range Impedance Max VSWR

Performance by Frequency

Frequency 1	
Frequency	250 MHz
VSWR	1.4:1
Return Loss	15.56 dB
Insertion Loss	0.14 dB
Frequency 2	
Frequency	500 MHz
VSWR	1.4:1
Return Loss	15.56 dB
Insertion Loss	0.24 dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: UMCX 2.5 Plug to UMCX 2.5 Plug Cable 9 Inch Length Using RG178 Coax, RoHS PE3CA1054-9

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

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Frequency 3			
Frequency	1000 MHz		
VSWR	1.4:1		
Return Loss	15.56 dB		
Insertion Loss	0.44 dB		
	0.44 dB		
Frequency 4			
Frequency	2.5 GHz		
VSWR	1.4:1		
Return Loss	15.56 dB		
Insertion Loss	0.65 dB		
	0.00 dB		
Frequency 5			
Frequency	6 GHz		
VSWR	1.55:1		
Return Loss	13.32 dB		
Insertion Loss	1.56 dB		
	1.00 48		
Machanical Spacifications			
Mechanical Specifications			
Temperature			
Temperature Operating Range	-55 to +125 deg C		
Size			
Length	9 in [228.6 mm]		
Longth	0 in [220.0 init]		
Oshla			
Cable	D0170		
Cable Type	RG178		
Inner Conductor Type	Stranded		
Cable Inner Conductor	Copper, Silver		
No of Shields	1		
Cable Outer Conductor	Tinned Copper		
Dielectric Type	FEP		
Jacket Material	FEP		
Jacket Diameter	0.07 in [1.78 mm]		
Commonton 4			
Connector 1			
Type	UMCX 2.5 Plug		
Configuration	Straight		
Connector 2			
	UMCX 2.5 Plug		
Type Configuration	Straight		
Comgulation	Straight		
Compliance Certifications (visit www.Pasternack.com for current document)			
RoHS Compliant	Yes		

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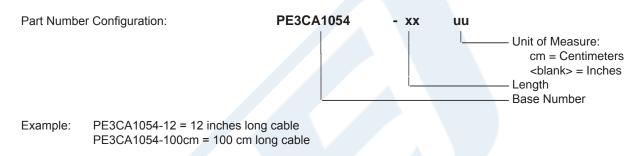
PE3CA1054-9



Notes:

Values at +25 °C, sea level

How to Order



UMCX 2.5 Plug to UMCX 2.5 Plug Cable 9 Inch Length Using RG178 Coax, RoHS 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: http://www.pasternack.com/umcx-2.5-plug-umcx-2.5-plug-rg178bu-cable-assembly-pe3ca1054-9-p.aspx

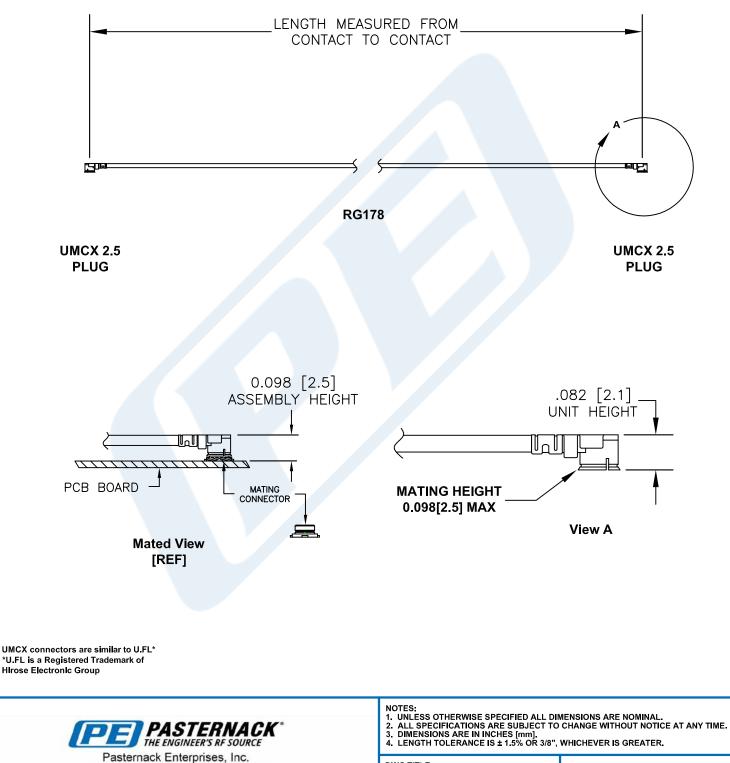
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