

- Range of 50 and 75 Ohm Cable Assemblies
- Wide Variety of Connector Styles
- Cable Adaptor Assemblies
- Available in Standard and Custom Lengths



Simple Connection

Pickering connection solutions provide a simple way of connecting to a user's device under test.

Cable Assemblies

RF Cable assemblies are offered for all Pickering RF switching products. All cable assemblies are made from high quality materials and use best practice assembly methods to ensure the cabling matches the performance of the switching modules they support.

In addition to standard cable assemblies we also offer cable adaptor assemblies that convert from one connector style to another. This is particularly useful when converting from the high density connector systems used on some switching products to the larger connectors used on bench and user equipment.

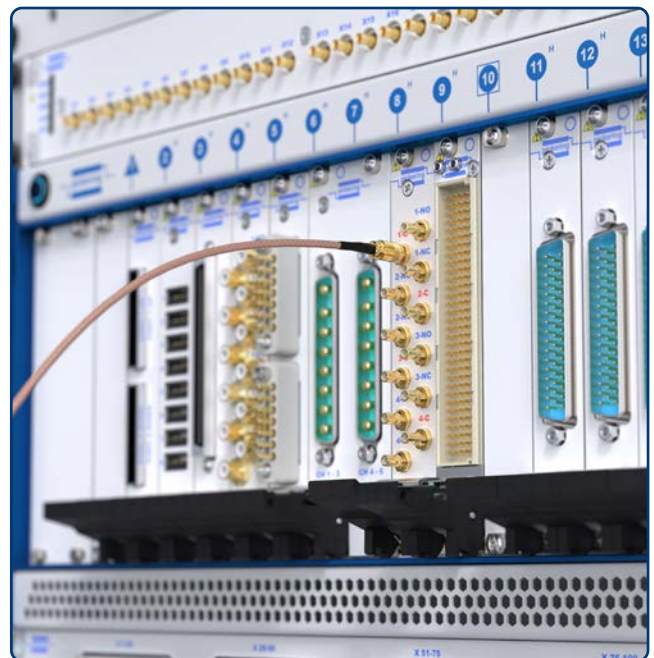


Examples of Pickering LXI and PXI Products using RF Connectors

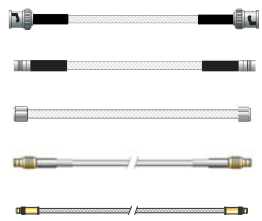

Custom Design Needs

Pickering Interfaces can manufacture custom connector accessories to suit any application. If you do not see what you need in this data sheet contact your Pickering Interfaces sales office with information on your requirements or consider using our free online Cable Design Tool.

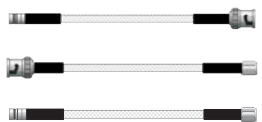
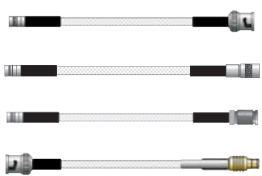
Using our Cable Design Tool, you can graphically design your own custom cable assembly. Once completed and submitted, our engineers will generate a quote for your cable requirements. See pickeringtest.com/cdt



RF Cable Assemblies

Description		End 1	End 2	Product Order Code and Part Number	Data Sheet Page
		Type	Type		
	50 Ohm Cable Assemblies	BNC Plug	As End 1	40-977-501-*m	3
		SMB Plug (Female)		40-977-511-*m	
		SMA Plug		40-977-521-*m	
		MCX Plug		40-977-561-*m	
		MMCX Plug		40-977-571-*m	4
	75 Ohm Cable Assemblies	75 Ω BNC Plug	As End 1	40-977-701-*m	5
		75 Ω SMZ/Type 43 Plug		40-977-711-*m	
		75 Ω 1.0/2.3 Plug		40-977-731-*m	
		75 Ω Mini SMB Plug (Female)		40-977-751-*m	
		75 Ω MCX Plug		40-977-761-*m	6
		75 Ω F Type Plug		40-977-781-*m	
		75 Ω 1.6/5.6 Plug		40-977-791-*m	

RF Cable Adaptor Assemblies

Description		End 1	End 2	Product Order Code and Part Number	Data Sheet Page
		Type	Type		
	50 Ohm Cable Adaptor Assemblies	50 Ω SMB Plug (Female)	50 Ω BNC Plug	40-978-501-*m	7
		50 Ω BNC Plug	50 Ω SMA Plug	40-978-511-*m	
		50 Ω SMB Plug (Female)	50 Ω SMA Plug	40-978-521-*m	
	75 Ohm Cable Adaptor Assemblies	75 Ω Mini SMB Plug (Female)	75 Ω BNC Plug	40-978-701-*m	8
		75 Ω Mini SMB Plug (Female)	75 Ω SMZ/Type 43 Plug	40-978-711-*m	
		75 Ω Mini SMB Plug (Female)	75 Ω 1.0/2.3 Plug	40-978-731-*m	
		75 Ω BNC Plug	75 Ω MCX Plug	40-978-781-*m	

Please click on the page number to navigate to the data sheet page required. Return to this page via the **C** button.

Cable Lengths and Ordering

Note: All cable assemblies are offered in the following standard lengths: 0.1m, 0.25 m, 0.5 m, 1 m and 2 m.

Other lengths are available as requested by customers.

When ordering please specify cables as: 'Part Number-*m' where *m is the length in metres. i.e. 40-977-501-0.5m

BNC Plug to BNC Plug

Technical Specification

Connector Type (End 1)	50 Ω BNC Plug
Connector Type (End 2)	50 Ω BNC Plug
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm



Product Order Codes

50 Ω RF Cable Assembly, BNC Plug to BNC Plug,	
0.1 m Long	40-977-501-0.1m
0.25 m Long	40-977-501-0.25m
0.5 m Long	40-977-501-0.5m
1.0 m Long	40-977-501-1m
2.0 m Long	40-977-501-2m

SMB Plug (Female) to SMB Plug (Female)

Technical Specification

Connector Type (End 1)	50 Ω SMB Plug (Female)
Connector Type (End 2)	50 Ω SMB Plug (Female)
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm



Product Order Codes

50 Ω RF Cable Assembly, SMB Plug (Female) to SMB Plug (Female),	
0.1 m Long	40-977-511-0.1m
0.25 m Long	40-977-511-0.25m
0.5 m Long	40-977-511-0.5m
1.0 m Long	40-977-511-1m
2.0 m Long	40-977-511-2m

SMA Plug to SMA Plug

Technical Specification

Connector Type (End 1)	50 Ω SMA Plug
Connector Type (End 2)	50 Ω SMA Plug
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm



Product Order Codes

50 Ω RF Cable Assembly, SMA Plug to SMA Plug,	
0.1 m Long	40-977-521-0.1m
0.25 m Long	40-977-521-0.25m
0.5 m Long	40-977-521-0.5m
1.0 m Long	40-977-521-1m
2.0 m Long	40-977-521-2m

MCX Plug to MCX Plug

Technical Specification

Connector Type (End 1)	50 Ω MCX Plug
Connector Type (End 2)	50 Ω MCX Plug
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm



Product Order Codes

50 Ω RF Cable Assembly, MCX Plug to MCX Plug,	
0.1 m Long	40-977-561-0.1m
0.25 m Long	40-977-561-0.25m
0.5 m Long	40-977-561-0.5m
1.0 m Long	40-977-561-1m
2.0 m Long	40-977-561-2m

Note: Other cable lengths can be supplied.

MMCX Plug to MMCX Plug



Technical Specification

Connector Type (End 1)	50 Ω MMCX Plug
Connector Type (End 2)	50 Ω MMCX Plug
Type of Coaxial Cable	RG178
Maximum Frequency	3 GHz
Cable Attenuation	2.7 dB/m @ 3 GHz
Cable O/D	1.8 mm

Product Order Codes

50 Ω RF Cable Assembly, MMCX Plug to MMCX Plug,	
0.1 m Long	40-977-571-0.1m
0.25 m Long	40-977-571-0.25m
0.5 m Long	40-977-571-0.5m
1.0 m Long	40-977-571-1m
2.0 m Long	40-977-571-2m

Note: Other cable lengths can be supplied.

BNC Plug to BNC Plug

Technical Specification

Connector Type (End 1)	75 Ω BNC Plug
Connector Type (End 2)	75 Ω BNC Plug
Type of Coaxial Cable	RG179
Maximum Frequency	1 GHz
Cable Attenuation	0.9 dB/m @ 1 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Assembly, BNC Plug to BNC Plug,

0.1 m Long	40-977-701-0.1m
0.25 m Long	40-977-701-0.25m
0.5 m Long	40-977-701-0.5m
1.0 m Long	40-977-701-1m
2.0 m Long	40-977-701-2m

SMZ/Type 43 Plug to SMZ/Type 43 Plug

Technical Specification

Connector Type (End 1)	75 Ω SMZ/Type 43 Plug
Connector Type (End 2)	75 Ω SMZ/Type 43 Plug
Type of Coaxial Cable	RG179
Maximum Frequency	3 GHz
Cable Attenuation	1.8 dB/m @ 3 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Assembly, SMZ/Type 43 Plug to SMZ/Type 43 Plug,

0.1 m Long	40-977-711-0.1m
0.25 m Long	40-977-711-0.25m
0.5 m Long	40-977-711-0.5m
1.0 m Long	40-977-711-1m
2.0 m Long	40-977-711-2m

1.0/2.3 Plug to 1.0/2.3 Plug

Technical Specification

Connector Type (End 1)	75 Ω 1.0/2.3 Plug
Connector Type (End 2)	75 Ω 1.0/2.3 Plug
Type of Coaxial Cable	RG179
Maximum Frequency	3 GHz
Cable Attenuation	1.8 dB/m @ 3 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Assembly, 1.0/2.3 Plug to 1.0/2.3 Plug,

0.1 m Long	40-977-731-0.1m
0.25 m Long	40-977-731-0.25m
0.5 m Long	40-977-731-0.5m
1.0 m Long	40-977-731-1m
2.0 m Long	40-977-731-2m

Mini SMB Plug (Female) to Mini SMB Plug (Female)

Technical Specification

Connector Type (End 1)	75 Ω Mini SMB Plug (Female)
Connector Type (End 2)	75 Ω Mini SMB Plug (Female)
Type of Coaxial Cable	RG179
Maximum Frequency	2 GHz
Cable Attenuation	1.3 dB/m @ 2 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Assy, Mini SMB Plug (Female) to Mini SMB Plug (Female),

0.1 m Long	40-977-751-0.1m
0.25 m Long	40-977-751-0.25m
0.5 m Long	40-977-751-0.5m
1.0 m Long	40-977-751-1m
2.0 m Long	40-977-751-2m

Note: Other cable lengths can be supplied.

MCX Plug to MCX Plug



Technical Specification

Connector Type (End 1)	75 Ω MCX Plug
Connector Type (End 2)	75 Ω MCX Plug
Type of Coaxial Cable	RG179
Maximum Frequency	3 GHz
Cable Attenuation	1.8 dB/m @ 3 GHz
Cable O/D	2.54 mm

Product Order Codes

75 Ω RF Cable Assembly, MCX Plug to MCX Plug,	
0.1 m Long	40-977-761-0.1m
0.25 m Long	40-977-761-0.25m
0.5 m Long	40-977-761-0.5m
1.0 m Long	40-977-761-1m
2.0 m Long	40-977-761-2m

F Type Plug to F Type Plug



Technical Specification

Connector Type (End 1)	75 Ω F Type Plug
Connector Type (End 2)	75 Ω F Type Plug
Type of Coaxial Cable	GTX-100-75 Ω
Maximum Frequency	1 GHz
Cable Attenuation	0.2 dB/m @ 1 GHz
Cable O/D	6.7 mm

Product Order Codes

75 Ω RF Cable Assembly, F Type Plug to F Type Plug,	
0.1 m Long	40-977-781-0.1m
0.25 m Long	40-977-781-0.25m
0.5 m Long	40-977-781-0.5m
1.0 m Long	40-977-781-1m
2.0 m Long	40-977-781-2m

1.6/5.6 Plug to 1.6/5.6 Plug



Technical Specification

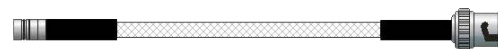
Connector Type (End 1)	75 Ω 1.6/5.6 Plug
Connector Type (End 2)	75 Ω 1.6/5.6 Plug
Type of Coaxial Cable	RG179
Maximum Frequency	3 GHz
Cable Attenuation	1.8 dB/m @ 3 GHz
Cable O/D	2.54 mm

Product Order Codes

75 Ω RF Cable Assembly, 1.6/5.6 Plug to 1.6/5.6 Plug,	
0.1 m Long	40-977-791-0.1m
0.25 m Long	40-977-791-0.25m
0.5 m Long	40-977-791-0.5m
1.0 m Long	40-977-791-1m
2.0 m Long	40-977-791-2m

Note: Other cable lengths can be supplied.

SMB Plug (Female) to BNC Plug



Technical Specification

Connector Type (End 1)	50 Ω SMB Plug (Female)
Connector Type (End 2)	50 Ω BNC Plug
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm

Product Order Codes

50 Ω RF Cable Adaptor Assembly, SMB Plug (Female) to BNC Plug,

0.1 m Long	40-978-501-0.1m
0.25 m Long	40-978-501-0.25m
0.5 m Long	40-978-501-0.5m
1.0 m Long	40-978-501-1m
2.0 m Long	40-978-501-2m

BNC Plug to SMA Plug



Technical Specification

Connector Type (End 1)	50 Ω BNC Plug
Connector Type (End 2)	50 Ω SMA Plug
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm

Product Order Codes

50 Ω RF Cable Adaptor Assembly, BNC Plug to SMA Plug,

0.1 m Long	40-978-511-0.1m
0.25 m Long	40-978-511-0.25m
0.5 m Long	40-978-511-0.5m
1.0 m Long	40-978-511-1m
2.0 m Long	40-978-511-2m

SMB Plug (Female) to SMA Plug



Technical Specification

Connector Type (End 1)	50 Ω SMB Plug (Female)
Connector Type (End 2)	50 Ω SMA Plug
Type of Coaxial Cable	RG316
Maximum Frequency	3 GHz
Cable Attenuation	1.9 dB/m @ 3 GHz
Cable O/D	2.59 mm

Product Order Codes

50 Ω RF Cable Adaptor Assembly, SMB Plug (Female) to SMA Plug,

0.1 m Long	40-978-521-0.1m
0.25 m Long	40-978-521-0.25m
0.5 m Long	40-978-521-0.5m
1.0 m Long	40-978-521-1m
2.0 m Long	40-978-521-2m

Note: Other cable lengths can be supplied.

Mini SMB Plug (Female) to BNC Plug

Technical Specification

Connector Type (End 1)	75 Ω Mini SMB Plug (Female)
Connector Type (End 2)	75 Ω BNC Plug
Type of Coaxial Cable	RG179
Maximum Frequency	1GHz
Cable Attenuation	0.9 dB/m @1 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Adaptor Assembly, Mini SMB Plug (Female) to BNC Plug,

0.1 m Long	40-978-701-0.1m
0.25 m Long	40-978-701-0.25m
0.5 m Long	40-978-701-0.5m
1.0 m Long	40-978-701-1m
2.0 m Long	40-978-701-2m

Mini SMB Plug (Female) to SMZ/Type 43 Plug

Technical Specification

Connector Type (End 1)	75 Ω Mini SMB Plug (Female)
Connector Type (End 2)	75 Ω SMZ/Type 43 Plug
Type of Coaxial Cable	RG179
Maximum Frequency	2 GHz
Cable Attenuation	1.3 dB/m @ 2 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Adaptor Assy, Mini SMB Plug (Female) to SMZ/Type 43 Plug,

0.1 m Long	40-978-711-0.1m
0.25 m Long	40-978-711-0.25m
0.5 m Long	40-978-711-0.5m
1.0 m Long	40-978-711-1m
2.0 m Long	40-978-711-2m

Mini SMB Plug (Female) to 1.0/2.3 Plug

Technical Specification

Connector Type (End 1)	75 Ω Mini SMB Plug (Female)
Connector Type (End 2)	75 Ω 1.0/2.3 Plug
Type of Coaxial Cable	RG179
Maximum Frequency	2 GHz
Cable Attenuation	1.3 dB/m @ 2 GHz
Cable O/D	2.54 mm



Product Order Codes

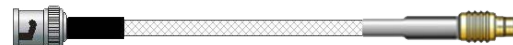
75 Ω RF Cable Adaptor Assembly, Mini SMB Plug (Female) to 1.0/2.3 Plug,

0.1 m Long	40-978-731-0.1m
0.25 m Long	40-978-731-0.25m
0.5 m Long	40-978-731-0.5m
1.0 m Long	40-978-731-1m
2.0 m Long	40-978-731-2m

BNC Plug to MCX Plug

Technical Specification

Connector Type (End 1)	75 Ω BNC Plug
Connector Type (End 2)	75 Ω MCX Plug
Type of Coaxial Cable	RG179
Maximum Frequency	2 GHz
Cable Attenuation	1.3 dB/m @ 2 GHz
Cable O/D	2.54 mm



Product Order Codes

75 Ω RF Cable Adaptor Assembly, BNC Plug to MCX Plug,

0.1 m Long	40-978-781-0.1m
0.25 m Long	40-978-781-0.25m
0.5 m Long	40-978-781-0.5m
1.0 m Long	40-978-781-1m
2.0 m Long	40-978-781-2m

Note: Other cable lengths can be supplied.