

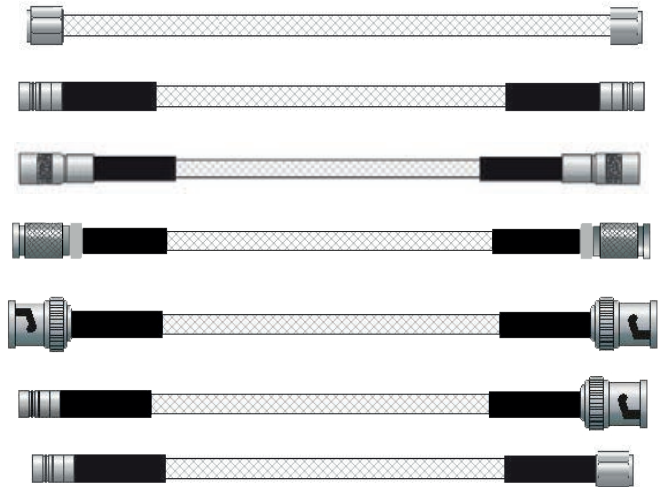
## RF Cable Assemblies

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



To complement our extensive range of PXI, LXI, PCI, VXI and GPIB switching products Pickering Interfaces offers a range of RF cable assemblies that interface with the user connectors provided. We have connection solutions for all our 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 can also offer inter-series cable assemblies that convert from one connector style to another. This is particularly useful when converting from the high density connector systems used on some switch solutions to the more commonly found larger connectors used on bench and user equipment.

Pickering Interfaces can manufacture or supply custom RF cables, if you do not see what you need then contact your Pickering Interfaces sales office with your requirements and let us solve your RF connection problem.



## CONTENTS

RF Cable Assemblies					
VIEW	DESCRIPTION	END 1	END 2	PART No.	PAGE
	50 Ohm Cable Assemblies	BNC, SMB, SMA & MCX Plugs and SMB Plug (Female)	As End 1	<b>40-977-5**-*m</b>	Page 3
	75 Ohm Cable Assemblies	BNC, SMZ, 1.0/2.3, MCX, F Type & 1.6/5.6 Plugs and Mini SMB Plug (Female)	As End 1	<b>40-977-7**-*m</b>	Page 4

RF Cable Adaptor Assemblies					
VIEW	DESCRIPTION	END 1	END 2	PART No.	PAGE
	50 Ohm Cable Adaptor Assemblies	BNC & N Type Plugs and SMB Plug (Female)	BNC, SMA & MCX Plugs	<b>40-978-5**-*m</b>	Page 5
	75 Ohm Cable Adaptor Assemblies	BNC Plug and Mini SMB Plug (Female)	BNC, SMZ/Type 43, 1.0/2.3 & MCX Plugs	<b>40-978-7**-*m</b>	

### CUSTOM TERMINATION

Page 6

Please use the hyperlinked text 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, 0.25m, 0.5m, 1m and 2m. Other lengths are available as requested by customers.

When ordering please specify cables as: 'Part Number-\*m' where \*m is the length in metres.  
ie. 40-977-544-0.5m

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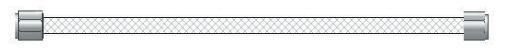








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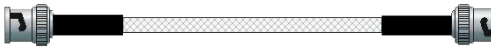


















## Cable Assemblies

50 Ohm Cable Assemblies						
Part No.	End 1 Connector 1	End 2 Connector 2	Type of Coaxial Cable	Maximum Frequency	Cable Attenuation	Cable O/D
40-977-501-*m	BNC Plug	BNC Plug	RG316	3GHz	1.9dB/m @3GHz	2.59mm
						
40-977-511-*m	SMB Plug (Female)	SMB Plug (Female)	RG316	3GHz	1.9dB/m @3GHz	2.59mm
						
40-977-521-*m	SMA Plug	SMA Plug	RG316	3GHz	1.9dB/m @3GHz	2.59mm
						
40-977-541-*m	uWave SMA Plug	uWave SMA Plug	RG402	18GHz	2.1dB/m @18GHz	3.6mm
						
40-977-542-*m	uWave SMA Plug	uWave SMA Plug	RG402	26.5GHz	2.8dB/m @28GHz	3.6mm
						
40-977-543-*m	uWave SMA 3.5 Plug	uWave SMA 3.5 Plug	RG402	26.5GHz	3.2dB/m @33GHz	3.6mm
						
40-977-544-*m	uWave SMA 2.92 Plug	uWave SMA 2.92 Plug	RG405	40GHz	4.35dB/m @45GHz	2.2mm
						
40-977-546-*m	uWave SMA 1.85 Plug	uWave SMA 1.85 Plug	RG405	67GHz	5.4dB/m @67GHz	2.2mm
						
40-977-561-*m	MCX Plug	MCX Plug	RG316	3GHz	1.9dB/m @3GHz	2.59mm
						

### Compatibility:






**Note:** SMA 1.85 connectors are fully compatible with 50GHz rated SMA 2.4 connectors.

## Cable Assemblies





75 Ohm Cable Assemblies						
Part No.	End 1 Connector 1	End 2 Connector 2	Type of Coaxial Cable	Maximum Frequency	Cable Attenuation	Cable O/D
40-977-701-*m	75Ω BNC Plug 	75Ω BNC Plug 	RG179	1GHz	0.9dB/m @1GHz	2.54mm
						
40-977-711-*m	75Ω SMZ / Type 43 Plug 	75Ω SMZ / Type 43 Plug 	RG179	3GHz	1.8dB/m @3GHz	2.54mm
						
40-977-731-*m	75Ω 1.0/2.3 Plug 	75Ω 1.0/2.3 Plug 	RG179	3GHz	1.8dB/m @3GHz	2.54mm
						
40-977-751-*m	75Ω Mini SMB Plug (Female) 	75Ω Mini SMB Plug (Female) 	RG179	2GHz	1.3dB/m @2GHz	2.54mm
						
40-977-761-*m	75Ω MCX Plug 	75Ω MCX Plug 	RG179	3GHz	1.8dB/m @3GHz	2.54mm
						
40-977-781-*m	75Ω F Type Plug 	75Ω F Type Plug 	GTX-100-75Ω	1GHz	0.2dB/m @1GHz	6.7mm
						
40-977-791-*m	75Ω 1.6/5.6 Plug 	75Ω 1.6/5.6 Plug 	RG179	3GHz	1.8dB/m @3GHz	2.54mm
						

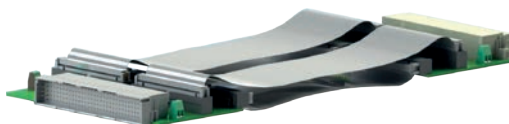
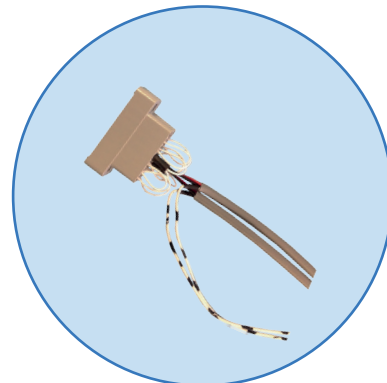
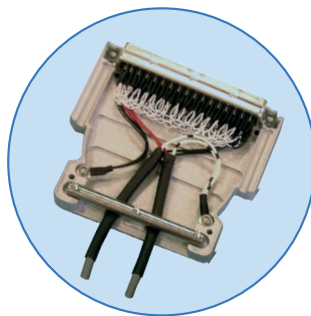
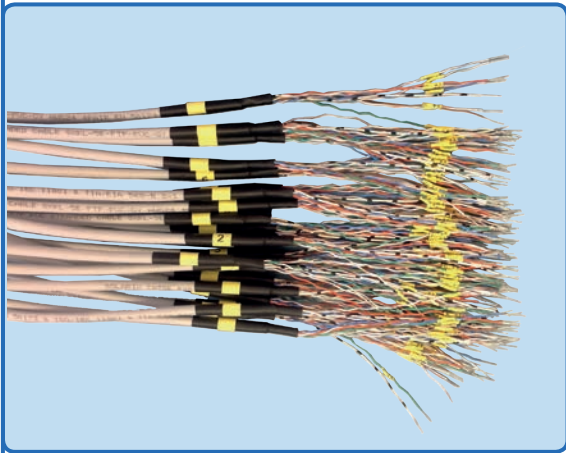
## Cable Adaptor Assemblies

### 50 Ohm RF Cable Adaptor Assemblies

Part No.	End 1 Connector 1	End 2 Connector 2	Type of Coaxial Cable	Maximum Frequency	Cable Attenuation	Cable O/D
40-978-501-*m	50Ω SMB Plug (Female)	50Ω BNC Plug		3GHz	1.9dB/m @3GHz	2.59mm
40-978-511-*m	50Ω BNC Plug	50Ω SMA Plug		3GHz	1.9dB/m @3GHz	2.59mm
40-978-521-*m	50Ω SMB Plug (Female)	50Ω SMA Plug		3GHz	1.9dB/m @3GHz	2.59mm
40-978-571-*m	50Ω N Type Plug	50Ω SMA Plug		11GHz	1.6dB/m @12GHz	3.6mm
40-978-581-*m	50Ω BNC Plug	50Ω MCX Plug		3GHz	1.9dB/m @3GHz	2.59mm

### 75 Ohm RF Cable Adaptor Assemblies

Part No.	End 1 Connector 1	End 2 Connector 2	Type of Coaxial Cable	Maximum Frequency	Cable Attenuation	Cable O/D
40-978-701-*m	75Ω Mini SMB Plug (Female)	75Ω BNC Plug		1GHz	0.9dB/m @1GHz	2.54mm
40-978-711-*m	75Ω Mini SMB Plug (Female)	75Ω SMZ/Type 43 Plug		2GHz	1.3dB/m @2GHz	2.54mm
40-978-731-*m	75Ω Mini SMB Plug (Female)	75Ω 1.0/2.3 Plug		2GHz	1.3dB/m @2GHz	2.54mm
40-978-781-*m	75Ω BNC Plug	75Ω MCX Plug		2GHz	1.3dB/m @2GHz	2.54mm



## Custom Termination

Pickering Interfaces are able to manufacture custom built cable assemblies and backshells that mate with all the connectors we use in our extensive product range and to provide connection solutions for third party products.

We are able to model and manufacture cable assemblies and other termination arrangements to user notes and drawings, and to deal with simple and complex assemblies and both small and high volume orders.

All products are designed to ensure easy and problem free connection.

We offer a fast turn round of custom items to keep your ordering and integration timescales to a minimum.

**Design you own cable assembly online**

See <http://pickeringtest.com/cableconfig>

