

TEST PORT CABLE /ADAPTER KITS



Features

- VNA Applications
- 7mm Test Ports
- Coaxial Adapters

General

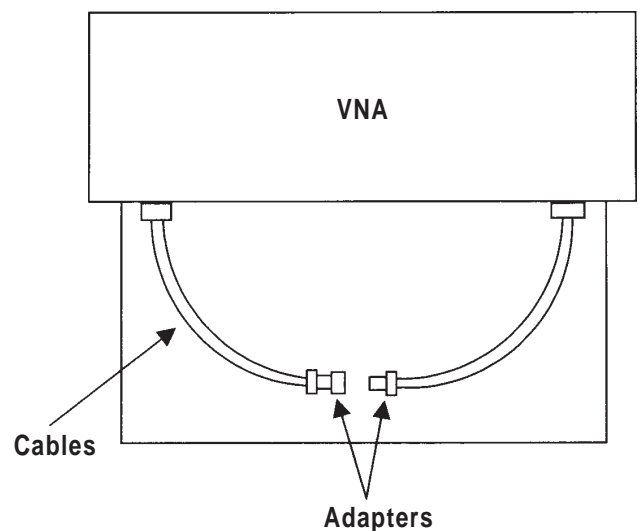
The 8948 cable and adapter sets are specifically configured to be versatile and cost effective. The cable assemblies extend the test ports of Agilent and Anritsu network analyzers using rugged 7mm connectors on both ends of the cables. The adapters, also equipped with rugged 7mm connectors, allow the user to change connector types. This means that rather than having to purchase several different cables with different connectors, only one set of cables is necessary with additional adapters.

Description

The cables come in standard lengths of 25 inches and 38 inches. They are extremely flexible while still maintaining excellent phase and amplitude stability.

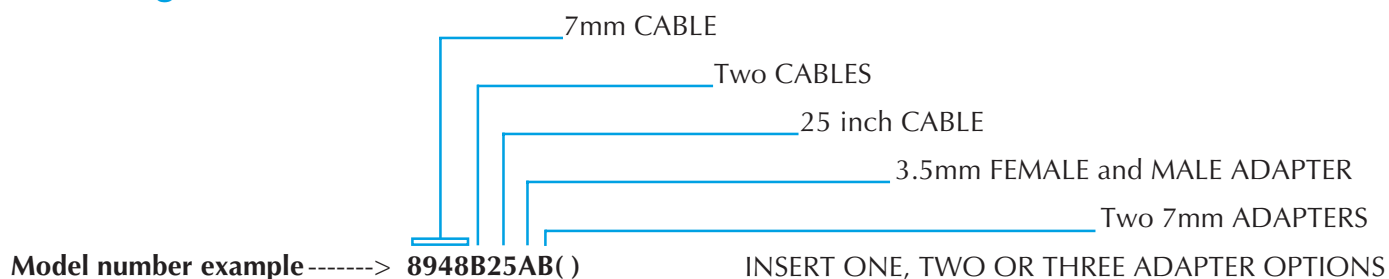
The adapters have rugged 7mm test ports and adapt to most popular connector types such as; 3.5mm, 7mm, N and TNC.

Sets can be purchased with one or two cables and up to three adapter sets. Individual adapters can also be purchased. Kits with more than three adapter sets can be configured to the customer's specifications.





Ordering Information



8948 Series 7mm Cable and Adapter Sets

Model	Description
8948A25 (*) (*) (*)	1 cable, 7mm, 25 inches, plus adapters
8948B25 (*) (*) (*)	2 cables, 7mm, 25 inches, plus adapters
8948A38 (*) (*) (*)	1 cable, 7mm, 38 inches, plus adapters
8948B38 (*) (*) (*)	2 cables, 7mm, 38 inches, plus adapters
8948C25 (*) (*) (*)	Cable only, 25 inches
8948C38 (*) (*) (*)	Cable only, 30 inches

(*) Insert adapter option from adjacent table.

Adapters Available

Adapter Model	Connectors	Quantity	Standard Adapter Options
8022A1	7mm to 3.5mm (f)	1	A
8022B1	7mm to 3.5mm (m)	1	
2633A	7mm to 7mm (f)	2	B
2606C	7mm to type N (f)	1	C
2606D	7mm to type N (m)	1	
2622A1	7mm to TNC (f)	1	D
2622B	7mm to TNC (m)	1	
2607A1	7mm to 14mm	2	E

25" Cable Length Specifications

Model 8948C25

Frequency Range	18.0 GHz
Insertion Loss, dB	
Typical	$0.05 + 0.30(f)^{1/2} + 0.010(f)$
Guarantee	$0.25 + 0.35(f)^{1/2} + 0.015(f)$
Return Loss, dB	18
Overall Phase Stability (degrees)	
Typical	0.05(f)
Guarantee	$0.5 + 0.08(f)$
Overall Amplitude Stability, dB	
Typical	≤ 0.03
Guarantee	≤ 0.08
Return Loss Stability, dB	≥ 40
Outer Diameter (inches, nominal)	0.6
Minimum Bend Radius (inches, nominal)	2.5
Connectors	7mm

38" Cable Length Specifications

Model 8948C38

Frequency Range	18.0 GHz
Insertion Loss, dB	
Typical	$0.044 + 0.47(f)^{1/2} + 0.014(f)$
Guarantee	$0.290 + 0.51(f)^{1/2} + 0.017(f)$
Return Loss, dB	18
Overall Phase Stability (degrees)	
Typical	0.10(f)
Guarantee	$0.5 + 0.17(f)$
Overall Amplitude Stability, dB	
Typical	≤ 0.05
Guarantee	≤ 0.15
Return Loss Stability, dB	≥ 40
Outer Diameter (inches, nominal)	0.6
Minimum Bend Radius (inches, nominal)	2.5
Connectors	7mm