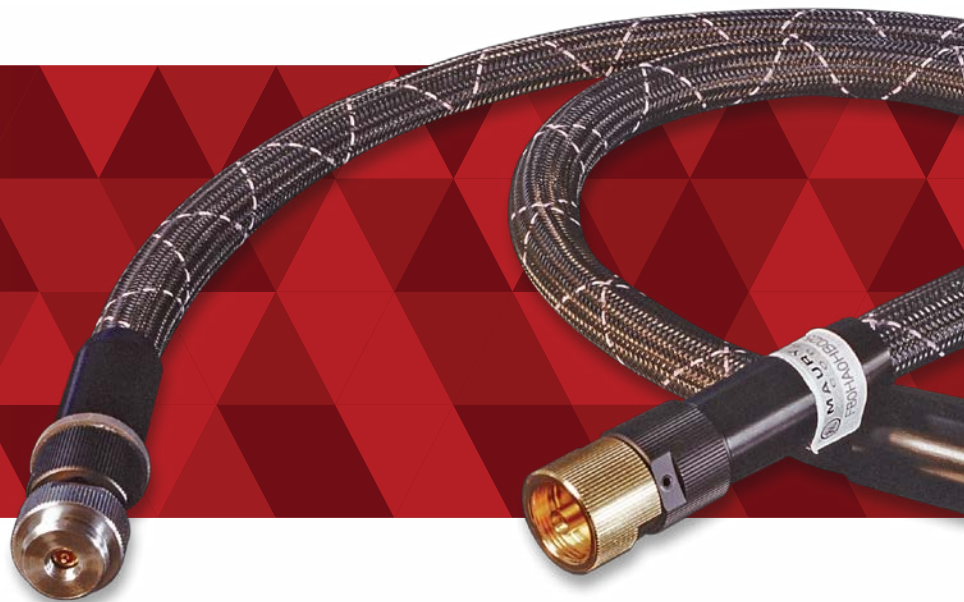


# Test Port Cable Assemblies

DATA SHEET / 2Z-001



# Test Port Cable Assemblies

8946C25

SERIES 8944C, 8946C, 8954C, AND 8948C



## Features

- > For VNA Applications
- > Ruggedized Test Port Connectors
- > For Use with 1.85mm, 2.4mm, 3.5mm, and 7mm Test Ports

## Description

Maury 8944, 8946, 8954 and 8948 series test port cable assemblies and test port adapters replace multiple cables in various connector types with versatile and cost-effective alternatives. These cable assemblies extend the test ports of network analyzers, and have a rugged female and male test port connector at each end. They come in standard lengths of 25 or 38 inches and are extremely flexible while maintaining excellent phase and amplitude stability.

## Available Models – Cable Assemblies

Kit Model	Type	Cable Length		Frequency Range (GHz)	Cable O.D. (Normal)		Bend Radius (Minimum)		Normal Impedance
		Inches	(CM)		Inches	(CM)	Inches	(CM)	
8954C25	NMD1.85mm	25.0	(63.5)	DC — 67.0	0.6	(1.524)	2.25	(6.35)	50 ohm
8954C38	NMD1.85mm			DC — 50.0					
8946C25	NMD2.4mm	38.0	(96.5)	DC — 26.5					
8946C38	NMD2.4mm			DC — 18.0					
8944C25	NMD3.5mm								
8944C38	NMD3.5mm								
8948C25	7mm								
8948C38	7mm								

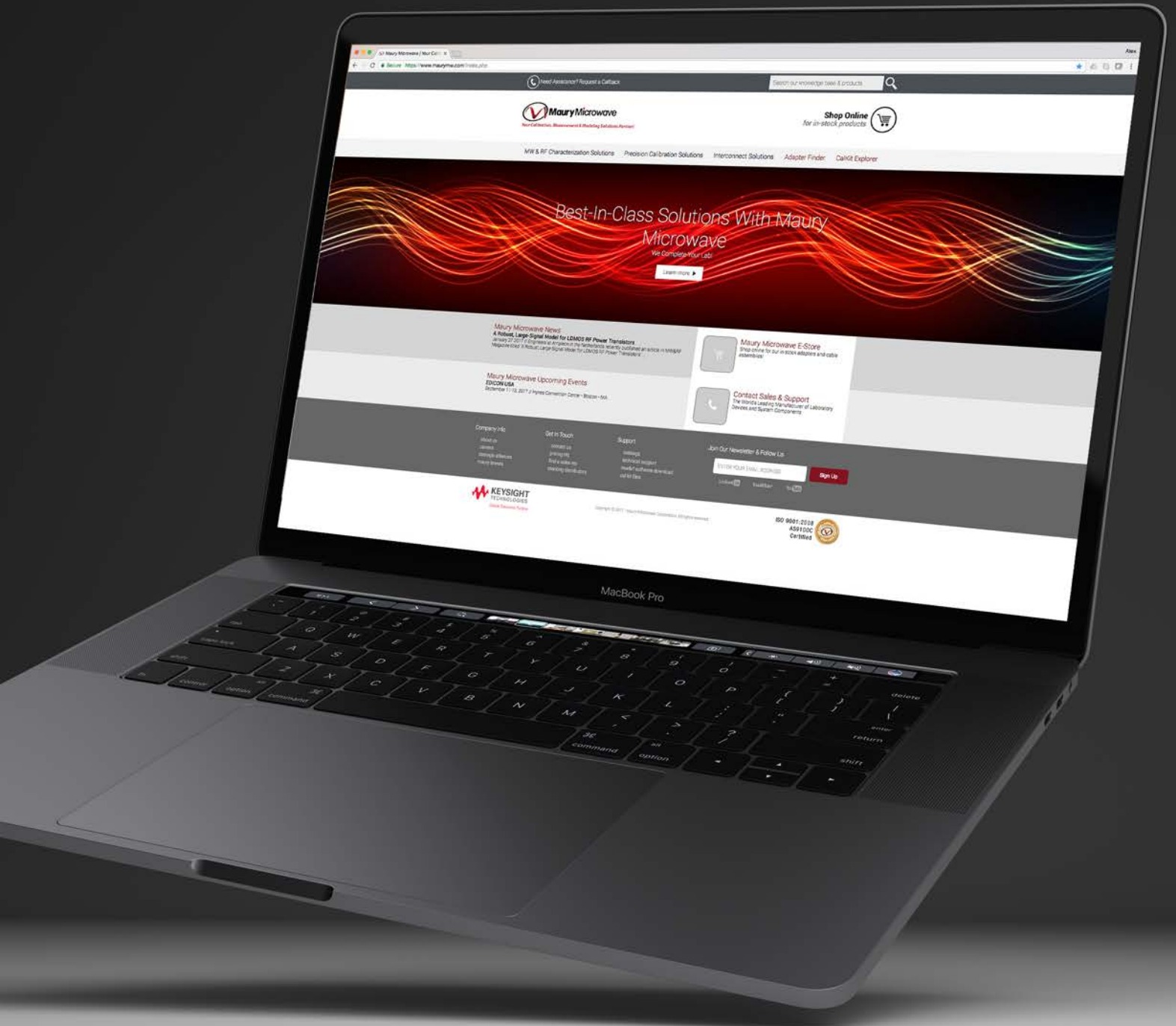
## Specifications (25-inch Length Cables)

	8954C25	8946C25	8944C25	8948C25
Maximum Frequency	67 GHz	50 GHz	26.5GHz	18 GHz
Insertion Loss	5.15dB typ 6.00dB max	2.65dB typ 3.65dB max	1.30dB typ 1.60dB max	1.00dB typ 1.25dB max
VSWR	1.35 typ 1.50 max	1.25 typ 1.45 max	1.20 typ 1.30 max	1.20 typ 1.30 max
Phase Stability	5.00° typ 8.60° max	1.50° typ 4.50° max	2.00° typ 4.00° max	2.00° typ 2.85° max
Amplitude Stability	0.02dB typ 0.10dB max	0.01dB typ 0.10dB max	0.01dB typ 0.10dB max	0.02dB typ 0.10dB max

## Specifications (38-inch Length Cables)

	8954C38	8946C38	8944C38	8948C38
Maximum Frequency	67 GHz	50 GHz	26.5GHz	18 GHz
Insertion Loss	7.20dB typ 8.20dB max	4.00dB typ 5.20dB max	1.80dB typ 2.20dB max	1.45dB typ 1.75dB max
VSWR	1.35 typ 1.50 max	1.38 typ 1.45 max	1.20 typ 1.30 max	1.20 typ 1.30 max
Phase Stability	6.00° typ 10.60° max	4.00° typ 9.00° max	2.00° typ 7.50° max	4.00° typ 5.20° max
Amplitude Stability	0.02dB typ 0.15dB max	0.03dB typ 0.15dB max	0.02dB typ 0.15dB max	0.02dB typ 0.15dB max

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