



**BULLSEYE®**  
TEST POINT SYSTEM



BE25S-01SP1-02-02-0305

**BE25S SERIES**

# 50 Ω MICROWAVE CABLE ASSEMBLIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?BE25S](http://www.samtec.com?BE25S)

### RF Connector:

**Outer Contact Material:** Brass (SMA), Gold (SMP)

**Center Contact Material:** Brass (SMA Plug)

BeCu (SMA & SMP Jack)

**Insulator Material:** PTFE

**Operating Temperature:** -65 °C to +165 °C

**Insulator Resistance:** 5,000 MΩ

**Impedance:** 50 Ω

**Frequency Range:** 0-20 GHz (SMA), DC to 20 GHz (SMP)

**V.S.W.R.:** 1.3 max

**RoHS Compliant:** Yes

### MWC-2550-01

#### Cable:

**Cable Type:** Low Loss Microwave Coax

**Gauge:** 25 AWG Silver plated Copper

**Dielectric:** Solid FEP

**Jacket Material:** FEP

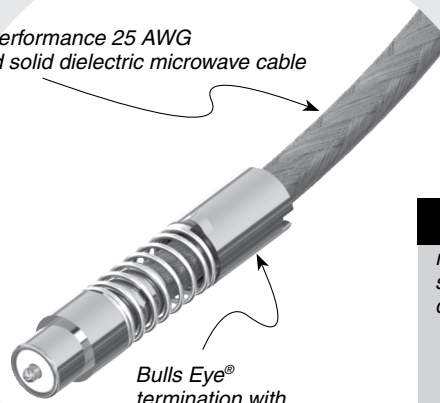
**Bend Radius:** 9 mm

**Impedance:** 50 Ω ±1 Ω

**Propagation Delay:** 3.84 nsec/meter

**Capacitance:** 75.4 pF/meter

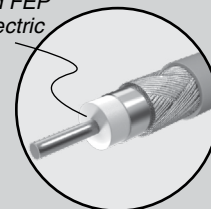
High performance 25 AWG rugged solid dielectric microwave cable



Bulls Eye® termination with SMA or SMP end option

## APPLICATION

rugged solid FEP dielectric



CABLE TYPE	END 2 OPTION	PHASE MATCHING	NO. OF CABLES	OVERALL LENGTH
<b>BE25S</b> = Rugged solid FEP Dielectric 25 AWG, MWC-2550-01 Microwave Cable	Specify END 2 OPTION from chart	<b>-02</b> = 2.0 Pico-second <b>-05</b> = 5.0 Pico-second <b>-10</b> = 10.0 Pico-second	<b>-02</b> = 2 phase matched cable assemblies <b>-04</b> = 4 phase matched cable assemblies <b>-06</b> = 6 phase matched cable assemblies <b>-08</b> = 8 phase matched cable assemblies	Stocked lengths <b>-0152</b> = (152.4 mm) 6.00" <b>-0305</b> = (304.8 mm) 12.00" <b>-0457</b> = (457.2 mm) 18.00" <b>-0914</b> = (914.4 mm) 36.00" (Other lengths up to (9999 mm) 393.7" available)

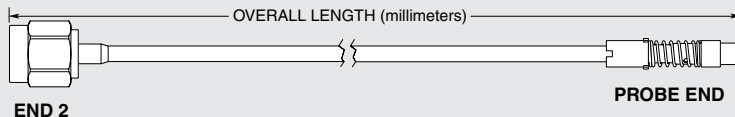
## EXTRACTION TOOLS

- SCC41: CAT-EX-SCC-01
- SMP: CAT-EX-SMP-01

### Notes:

Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

Some lengths, styles and options are non-standard, non-returnable.



END 2 OPTIONS	
<b>-01SP1 = SMA</b> Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
<b>-01BJ1 = SMA</b> Bulkhead Jack (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	

END 2 OPTIONS	
<b>-SCC41 = Bulls Eye® Test Point</b> (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
<b>-00SJ7 = SMP</b> Straight Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)	
<b>-00RJ7 = SMP</b> Right-Angle Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)	

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