



RF25M SERIES

50Ω MICROWAVE CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF25M

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: 50Ω

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

V.S.W.R.: 1.3 max

RoHS Compliant: Yes

CCA-25M Cable:

Type: Low Loss Microwave Coax
Gauge: 25 AWG Silver plated Copper
Dielectric: Air enhanced FEP
Jacket Material: FEP
Impedance: 50Ω ±1Ω
Propagation Delay: 3.84 nsec/meter
Capacitance: 75.4 pF/meter

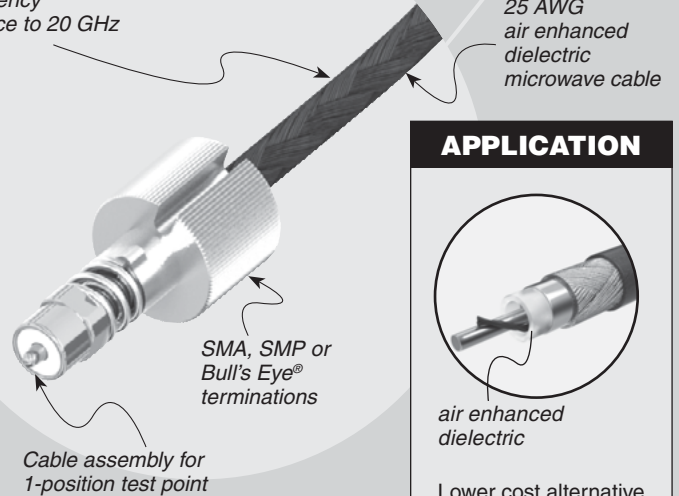
Mates with: CCH, SMA, SMP

High frequency performance to 20 GHz

25 AWG air enhanced dielectric microwave cable

THINK OUTSIDE THE CATALOG

- Create a full system: cable assembly and board level mates, 50Ω and 75Ω solutions
- 24-hour samples on standard products
- Visit: rf.samtec.com



APPLICATION



Lower cost alternative to semi-flexible cables.

CABLE TYPE

END 1 CONNECTOR

END 2 CONNECTOR

OVERALL LENGTH

RF25M

= Air Enhanced Dielectric 25 AWG, CCA-25M Tempflex Microwave Cable

Specify END OPTIONS from chart

—“XXXX” = Overall Length in millimeters -0100 (100 mm) 3.94" minimum

ALSO AVAILABLE (MOQ Required)

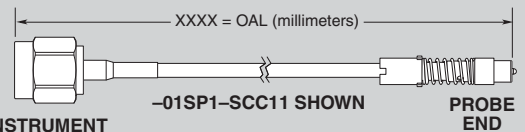
- Additional stripping and tinning options
- Contact Samtec.

EXTRACTION TOOLS

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

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

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



END OPTIONS	
-01SP1 = SMA, Straight Plug	
-01BJ1 = SMA, Bulkhead Jack	
-SCC41 = Bull's Eye® Coax Test Point with standard ferrule	
-SCC21 = Bull's Eye® Coax Test Point with knurled ferrule	
-00SJ7 = SMP, Straight Jack	
-00RJ7 = SMP, Right Angle Jack	

INSTRUMENT END

-01SP1-SCC11 SHOWN

PROBE END

END OPTIONS	
-SING = Single Ended (End 2 only)	
XXXXXX = Stripped & Tinned (End 2 only)	

STRIPPED & TINNED (Dimensions in mm)

CALLOUT	A	B	C
-303030	3.0	3.0	3.0
-303040	3.0	3.0	4.0
-403030	4.0	3.0	3.0
-403040	4.0	3.0	4.0
-404040	4.0	4.0	4.0

Both center conductor and braid shield are stripped, only the center conductor is tinned.