



RF405-01SP1-01RP1-0500

RF405-00SJ7-00SJ7-0500

RF405 SERIES

50 Ω .086" DIA SEMI-FLEXIBLE CABLE

SPECIFICATIONS

For complete specifications see www.samtec.com?RF405

RF Connector:

Shell Material:
Brass (SMA),
Au plated BeCu (SMP)
Contact Material:
Brass (SMA),
Au plated BeCu (SMP)
Impedance:
50 Ω

Frequency Range:
DC to 20 GHz

Dielectric Withstanding:
1,000 Vrms (SMA),
500 Vrms min (SMP)

RG 405 (.086")

Cable:

Impedance:
50 Ω microwave
Capacitance:
104.97 pF/meter
Max Attenuation (cable only):
0.72 @ 1 GHz for 1 meter
Conductor Size:
24 AWG (0.56 mm) .022" dia.
Conductor Material:
Silver plated copper clad steel
Insulator Material:
PTFE
Shield Material:
Tinned Copper
Bend Radius:
3.18 mm
RoHS Compliant:
Yes

Mates with:
SMA, SMP



- Create a full system: cable assembly and board level mates, 50 Ω and 75 Ω solutions
- Free samples available
- Visit: rf.samtec.com

Hand-formable semi-flexible cable

(2.18 mm) .086" DIA cable

Choice of SMA or SMP terminations

CABLE TYPE

END 1 CONNECTOR

END 2 CONNECTOR

OVERALL LENGTH

RF405
= (2.18 mm) .086" DIA
24 AWG Semi-flexible
coax cable

Specify
END OPTIONS
from chart

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

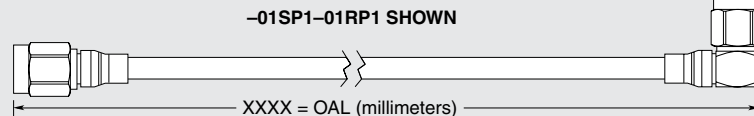
ALSO AVAILABLE (MOQ Required)

- Additional stripping and tinning options

OTHER SOLUTIONS

- Cable connector kits (see cable components catalog pages)

Note:
Cable lengths longer than (1000 mm) 39.40" are not supported with S.I. test data.



STRIPPED & TINNED (Dimensions in mm)

CALLOUT	A	B
-3030	3.0	3.0
-4030	4.0	3.0
-4040	4.0	4.0

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

END OPTIONS		END OPTIONS	
<p>-01SP1 = SMA Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)</p>		<p>-00SJ7 = SMP Straight Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)</p>	
<p>-01RP1 = SMA Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)</p>		<p>-00RJ7 = SMP Right-angle Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)</p>	
		<p>XXXX = Stripped & Tinned (End 2 callout)</p>	