

RF085-24SJ-24SP-0300



RF085-92SP-92SJ-0300



**RF085 SERIES**

# RF085 CABLE ASSEMBLY

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?RF085](http://www.samtec.com?RF085)

**RF Connector:**

**Outer Contact Material:**  
Stainless Steel

**Center Contact Material:**  
BeCu

**Insulator Material:**  
-92SP & -92SJ = PCTFE  
-24SP & -24SJ = ULTEM

**Impedance:**  
50 Ω

**Frequency Range:**  
50 GHz (2.40 mm)  
40 GHz (2.92 mm)

**Dielectric Withstanding:**  
Testing Now

**CCA-085-PTFE**

**(.085") Cable:**

**Impedance:**  
50 Ω microwave

**Capacitance:**  
88.2 pF/m

**Max Attenuation**  
**(cable only):**

-0.62 dB @ 1 GHz for 1 meter

**Conductor Size:**  
24 AWG (.5106 mm) .0201" dia

**Conductor Material:**  
Silver plated copper

**Insulation Material:**  
Solid PTFE

**Jacket Material:**  
FEP

**Operating Temperature**  
**(Cable):**

-55 °C to +200 °C

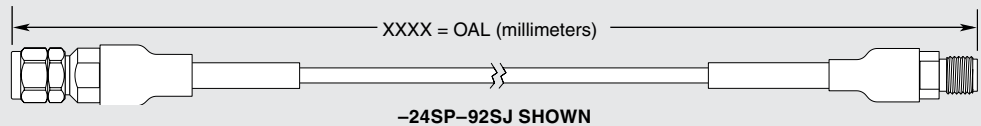
**Shield Material:**  
Spiral strip silver plated copper

**Jacket Diameter:**  
(2.64 mm) .104"

**Bend Radius:**  
13.2 mm

**Mates with:**

2.40 mm (240 Series),  
2.92 mm (292 Series)



CONNECTORS	
-24SP = 2.40 mm Straight Plug (50 μ" (1.27 μm) Gold on Center Contact, Stainless Steel on Shell)	
-24SJ = 2.40 mm Straight Jack 50 μ" (1.27 μm) Gold on Center Contact, Stainless Steel on Shell)	
-92SP = 2.92 mm Straight Plug (50 μ" (1.27 μm) Gold on Center Contact, Stainless Steel on Shell)	
-92SJ = 2.92 mm Straight Jack 50 μ" (1.27 μm) Gold on Center Contact, Stainless Steel on Shell)	

STRIPPED & TINNED (Dimensions in mm)			
CALLOUT	A	B	C
-203038	2.0	3.0	3.8

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

CONNECTORS	
-SING = Single Ended (End 2 callout)	
-XXXXXX = Stripped & Tinned (End 2 callout)	

**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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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