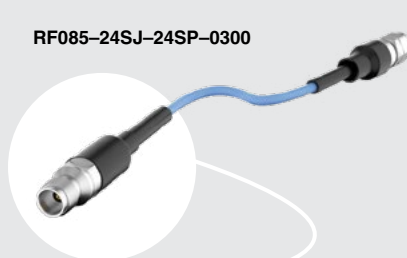


RF085-24SJ-24SP-0300



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  $\Omega$

**Frequency Range:**

50 GHz (2.40 mm)

40 GHz (2.92 mm)

**Dielectric Withstanding:**

Testing Now

### CCA-085-PTFE

(.085") Cable:

**Impedance:**

50  $\Omega$  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"

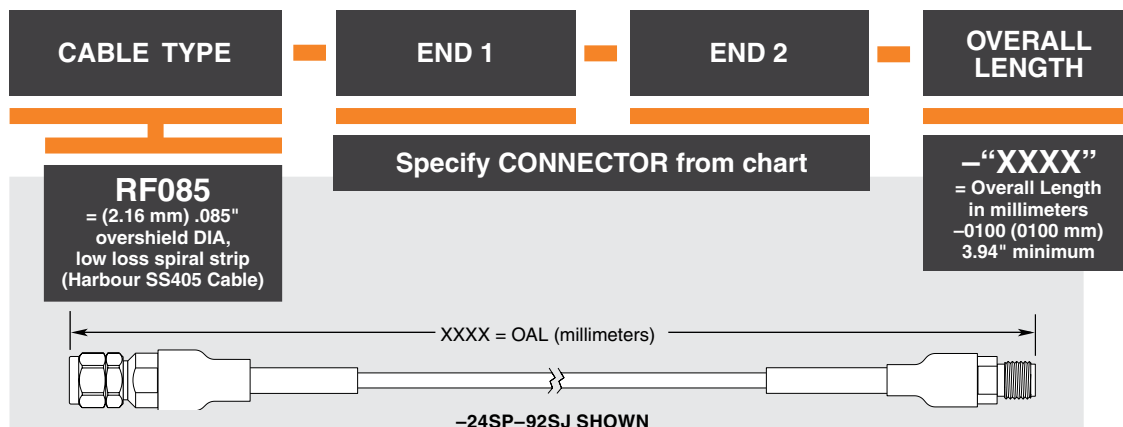
**Bend Radius:**




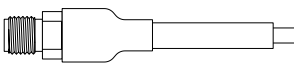
13.2 mm

Mates with:

2.40 mm (240 Series),

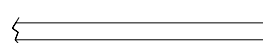
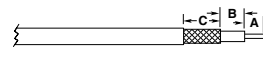
2.92 mm (292 Series)



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