

(4.00 mm) .1575"



IJ5C SERIES

50 Ω HIGH ISOLATION RF CABLE ASSEMBLY

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?IJ5C

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Pin Material:

Copper Alloy

Dielectric Material:

Black LCP

Plating:Au over 50 μ " (1.27 μ m) Ni**Operating Temp Range:**

-40 °C to +90 °C

RoHS Compliant: Yes**Cable (-1):****Conductor Size:**

26 AWG,

(0.48 mm) .019" dia.

Conductor Material:

Silver Plated Copper

Insulator Diameter:

(1.27 mm) .050"

Insulator Material:

Foamed FEP

Shield Material:

Silver Plated Copper

Jacket Material:

FEP

Jacket Diameter:

(1.80 mm) .071"

Bend Radius:

3.175 mm

Impedance:

50 Ω

Current Rating: 2.5 A**RoHS Compliant:** Yes**Cable (-2):****Conductor Size:**

26 AWG,

(0.51 mm) .020" dia.

Conductor Material:

Silver and Copper

Plated Steel Wire

Insulator Diameter:

(1.52 mm) .060"

Insulator Material:

PTFE

Shield Material:

Silver Plated Copper Wire

Jacket Material:

FEP

Jacket Diameter:

(2.54 mm) .100"

Bend Radius:

12.7 mm

Impedance:

50 Ω

Current Rating: 5 A DC**RoHS Compliant:** Yes

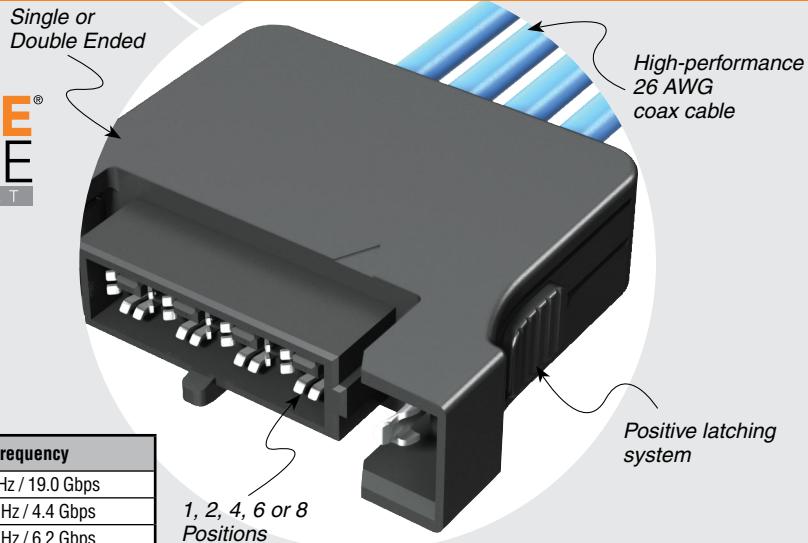
RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



Note:
This Series is non-standard,
non-returnable.

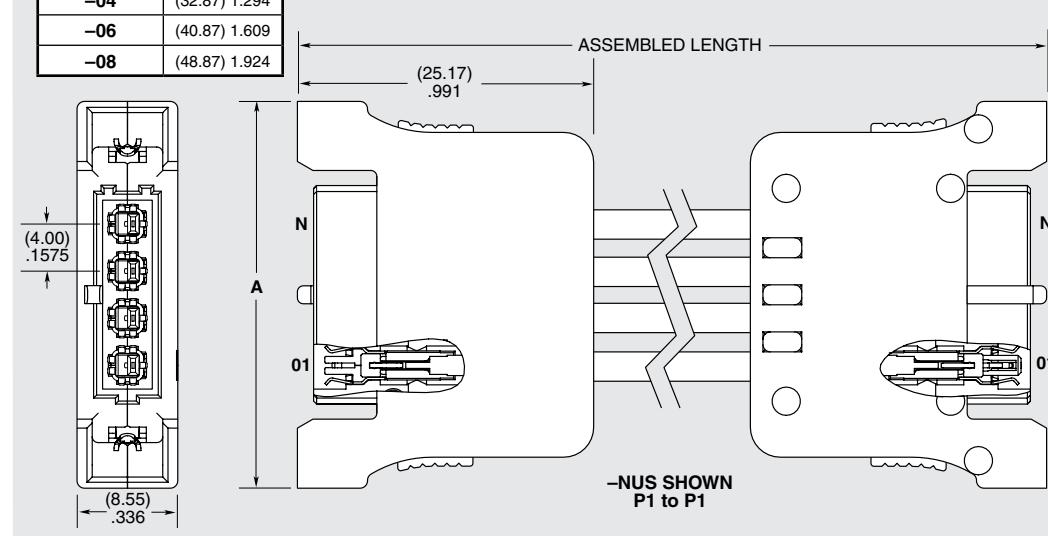
Mates with:
IP5

**EDGE®
RATE
CONTACT**


1 Meter Cable Assembly	Frequency
Insertion Loss = 3 dB	9.5 GHz / 19.0 Gbps
Return Loss = 15 dB	2.2 GHz / 4.4 Gbps
Isolation = 60 dB	3.1 GHz / 6.2 Gbps

Performance and complete test data available at www.samtec.com?IJ5C or contact sig@samtec.com

IJ5C	NO. OF POSITIONS	ASSEMBLED LENGTH	PLATING OPTION	END OPTION	END 2 OPTION	CABLE TYPE
	-01, -02, -04, -06, -08	-"XXXX" = Assembled Length in millimeters -0100 to -1000 (100 mm) 3.94" minimum	-S = 30 μ " (0.76 μ m) Gold on contact	-S = Single Ended	-NUS = Notch up, straight P1 to P1	-1 = CTB-2650F-01 cable
				-D = Double Ended	-NDS = Notch down, straight P1 to PN	-2 = RG 316 cable
	NO. OF POSITIONS	A				
	-01	(20.87) .822				
	-02	(24.87) .979				
	-04	(32.87) 1.294				
	-06	(40.87) 1.609				
	-08	(48.87) 1.924				



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