



(4,00 mm) .1575"



IJ5C SERIES

50Ω 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 50µ" (1,27 µm) Ni

Operating Temp Range: -40°C to +90°C

RoHS Compliant: Yes

Yes

RECOGNITIONS

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

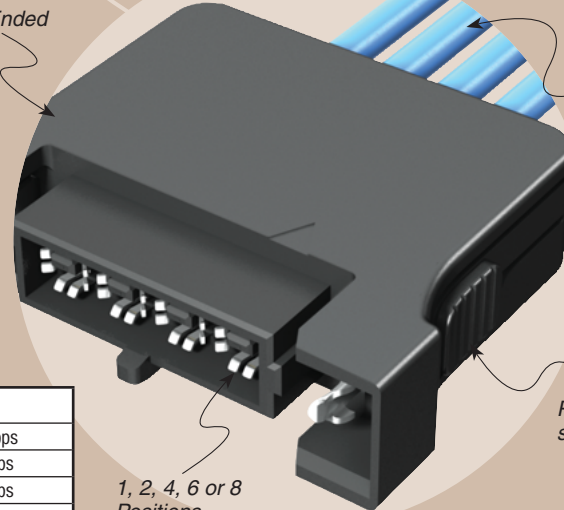


Mates with:
IP5



- Edge Rate™ Contacts
- Positive Latching

Single or Double Ended



High performance 26 AWG coax cable

Positive latching system

1, 2, 4, 6 or 8 Positions

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
VSWR = 1.4	2.1 GHz / 4.2 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

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"
Impedance: 50Ω
Current Rating: 2.5A
RoHS Compliant: Yes

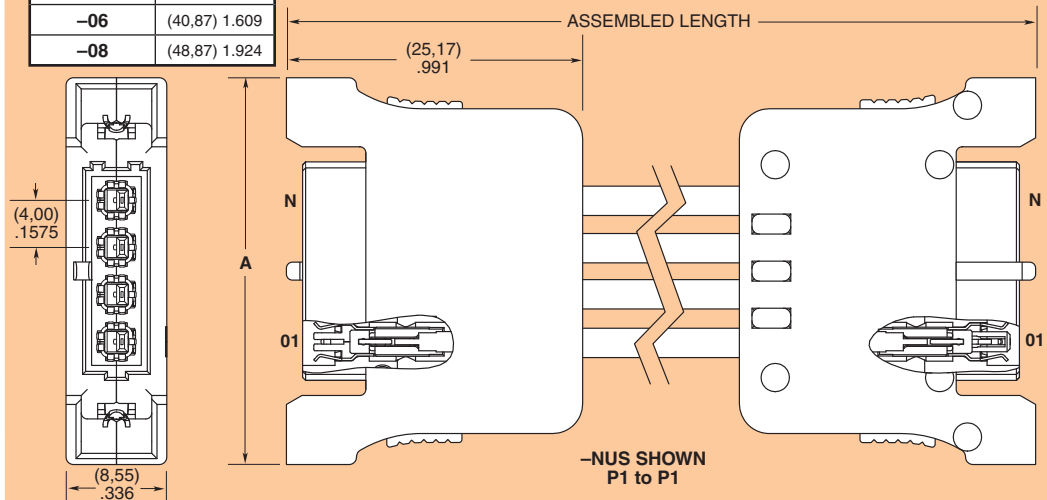
Cable (-2):

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"
Impedance: 50Ω
Current Rating: 5A DC
RoHS Compliant: Yes

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

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 = 30µ" (0,76 µm) Gold on contact	-S = Single Ended -D = Double Ended	-NUS = Notch up, straight P1 to P1 -NDS = Notch down, straight P1 to PN	-1 = CTB-2650F-01 cable -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



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

WWW.SAMTEC.COM