



(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 μm) 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:** 3.18 mm
- Impedance:** 50 Ω
- Current Rating:** 3.0 A
- RoHS Compliant:** Yes

Cable (-2):

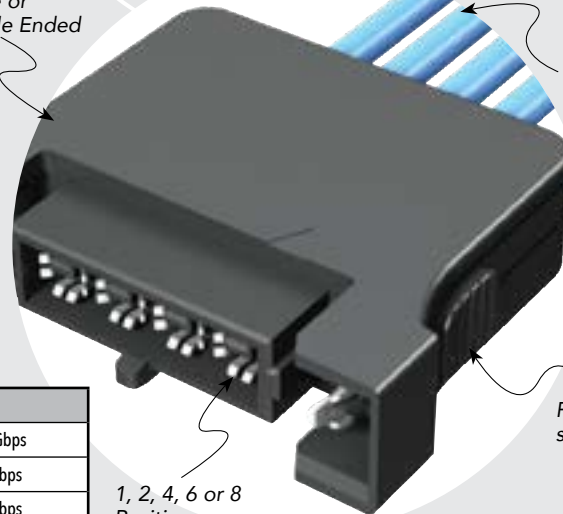
- Conductor Size:** 26 AWG, (0.51 mm) .020" dia.
- Conductor Material:** Silver and Copper Plated Steel Wire
- Insulator Diameter:** (1.52 mm) .060"
- Insulator Material:** PTFE
- Shield Material:** Silver Plated Copper Wire
- Jacket Material:** FEP
- Jacket Diameter:** (2.54 mm) .100"
- Bend Radius:** 12.8 mm
- Impedance:** 50 Ω
- Current Rating:** 5 A DC
- RoHS Compliant:** Yes

Mates with:
IP5

EDGE RATE
CONTACT

Single or Double Ended

High-performance 26 AWG coax cable



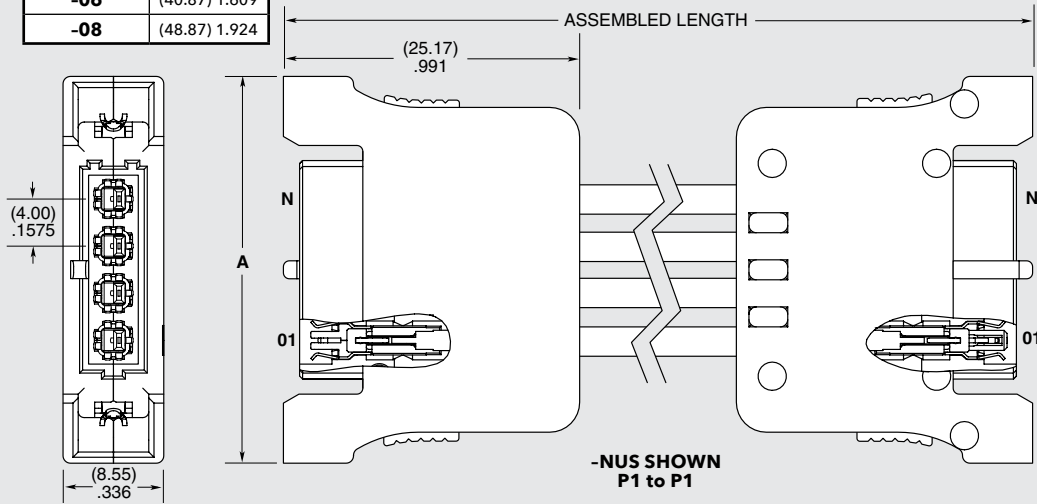
1, 2, 4, 6 or 8 Positions

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
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 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



RECOGNITIONS

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



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

Mouser Electronics

Authorized Distributor

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