

(4.00 mm) .1575"

IJ5C-08-0600-S-D-NUS-1

IJ5C-04-0400-S-D-NUS-1

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:

3.175 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

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**
RUGGEDIZED

BY SAMTEC

- Edge Rate® Contacts
- Positive Latching

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

Single or
Double Ended

High-performance
26 AWG
coax cable

Positive latching
system

1, 2, 4, 6 or 8
Positions

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

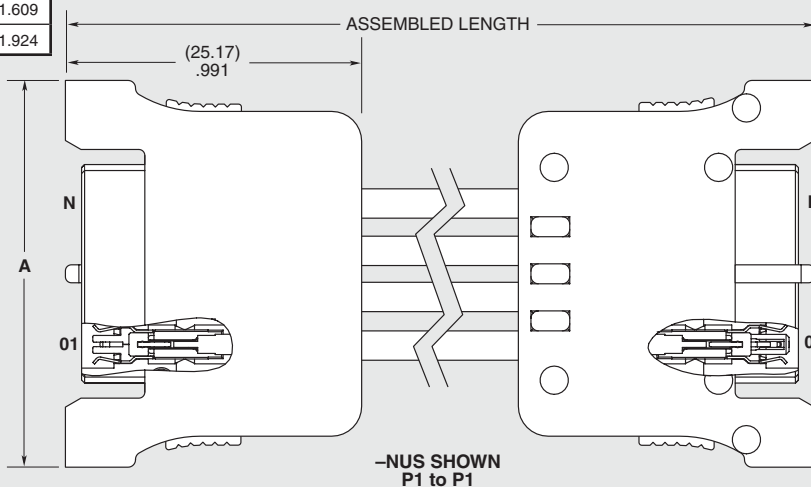
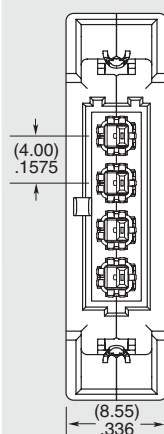
–NUS
= Notch up,
straight
P1 to P1

–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



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

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.