

(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**

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
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

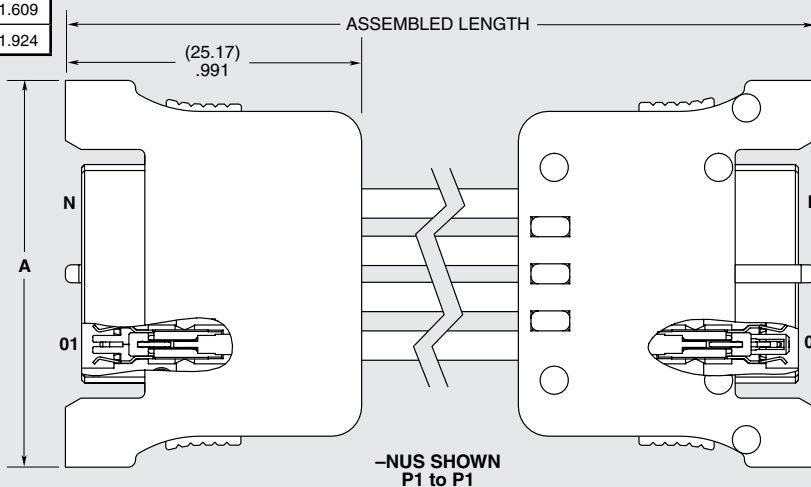
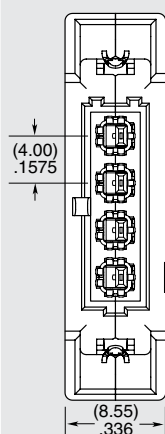
-NUS
= Notch up,
straight
P1 to P1

-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



Mouser Electronics

Authorized Distributor

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[IJ5C-04-0200-S-S-2](#)