

Re-Formable Semirigid Cable Assemblies, Between Connector Interface 2.4 mm/1.85 mm for DC - 50 GHz and 2.92 mm/1.85 mm, 2.92 mm/2.4 mm for DC - 40 GHz

DESCRIPTION

The Re-Formable Semirigid Cable Assemblies, Between, are up to 40 and 50 GHz, and easy to install with bending by hand at your lab/site. They are designed for broadband measurement, instrument, and system applications.

All materials are "lead free".

SPECIFICATIONS

Electrical:
See below table.

CABLE PROPERTIES

Outer Conductor 2.2 mm Diameter Copper with Cu/Sn/Zn Plated
Silver Plated Copper
Center Conductor Solid PTFE
Insulator Solid PTFE
Moding Frequency 61 GHz (Approx.)
Delay Time 0.476 ns/100 mm
Inside Bending Radius 3.2 mm (min)
"Non-Magnetic"

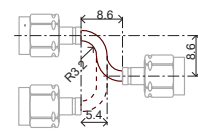


Production Status
2 Weeks Lead-Time
for Shipping

[*] Please specify length (L:□□□□ see following table) when you order this item.
For example: CA240F185M0035 (Length: 35 mm)

TYPE	Connector Interface	Frequency Range	Return Loss	Insertion Loss	Temperature Range	Length (L)
CA240F185F □□□□ Female/Female	2.4 mm/ 1.85 mm	DC-50 GHz	> 18 dB	See Fig. 1	-55 to +100 °C	35 to 300 mm +/- 2 mm [*] (5 mm step): Standard (Over 300 mm: Negotiable)
CA240F185M □□□□ Female/Male						
CA240M185F □□□□ Male/Female						
CA240M185M □□□□ Male/Male						
CA292F185F □□□□ Female/Female	2.92 mm/ 1.85 mm	DC-40 GHz	> 18 dB	See Fig. 1	-55 to +100 °C	
CA292F185M □□□□ Female/Male						
CA292M185F □□□□ Male/Female						
CA292M185M □□□□ Male/Male						
CA292F240F □□□□ Female/Female	2.92 mm /2.4 mm	DC-40 GHz	> 18 dB	See Fig. 1	-55 to +100 °C	
CA292F240M □□□□ Female/Male						
CA292M240F □□□□ Male/Female						
CA292M240M □□□□ Male/Male						

Reference for
Minimum Cable Installation Space
by Rounded Re-Forming



Hand Bender 2200
for Re-Forming (R3.2/7 mm)



CAUTION:
Bending of the Cable Using
Hand Bender 2200

In order to prevent any damage in the joint part of the cable and the connector, please bend the cable about 4 mm away from the joint part.

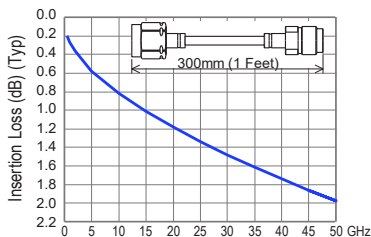
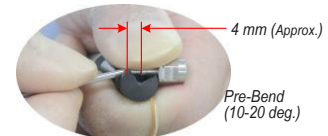


Fig.1 Frequency vs Insertion Loss, L=300mm

---CAUTION---
When you install the cable assembly, please support the section of the cable close to the connector with your fingers before tightening the nut. This cable is composed of a thin copper tube and could be easily damaged by applying a twist stress.



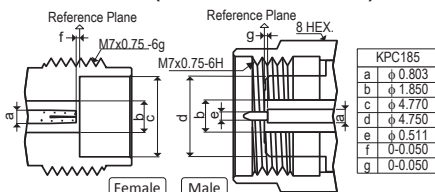
Fig.2 Tightening the Nut

RoHS Compliant

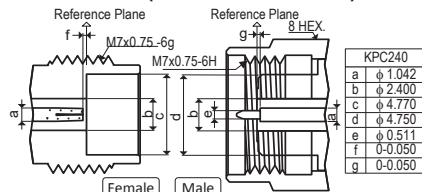
REACH Compliant

Connector Interface Mating

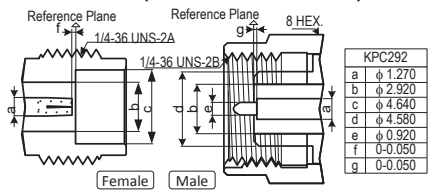
KPC185 (1.85 mm Connectors)



KPC240 (2.4 mm Connectors)



KPC292 (2.92 mm Connectors)



Specifications Subject to Change Without Notice

NOTE: All dimensions are in millimeters.

Rev. 04 Oct 2019

Copyright(C) 2002-2017 Kawashima Manufacturing Co., Ltd. <All rights reserved.>