

Re-Formable Semirigid Cable Assemblies, In-Series

Connector Interface 1.85 mm for DC - 60 GHz, 2.4 mm for DC - 50 GHz, 2.92 mm for DC - 40 GHz

DESCRIPTION

"CA185/240/292FF, MF, and MM" re-formable semirigid cable assemblies are up to 40, 50 and 60 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
Center Conductor	Silver Plated Copper
Insulator	Solid PTFE
Moding Frequency	61 GHz (Approx.)
Delay Time	0.476 ns/100 mm
Inside Bending Radius	3.2 mm (min)
	"Non-Magnetic"

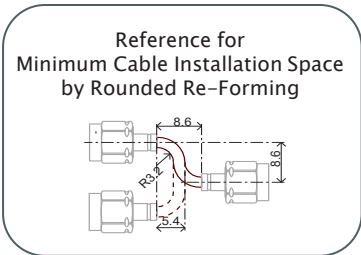


Production Status
2 Weeks Lead-Time
for Shipping

[*] Please specify length (L: □□□□ see following table) when you order this item.

For example: CA185MM0035 (Length: 35 mm)

TYPE	Connector Interface	Frequency Range	Return Loss	Insertion Loss	Temperature Range	Length (L)
CA185FF Female/Female	1.85 mm	DC-60 GHz	> 18 dB	See Fig. 1	-55 to +100 °C	35 to 300 mm +/-2 mm [*] (5 mm step): Standard (Over 300 mm: Negotiable)
CA185MF Male/Female						
CA185MM Male/Male						
CA240FF Female/Female	2.4 mm	DC-50 GHz	> 18 dB			
CA240MF Male/Female						
CA240MM Male/Male						
CA292FF Female/Female	2.92 mm	DC-40 GHz	> 20 dB			
CA292MF Male/Female						
CA292MM Male/Male						



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.

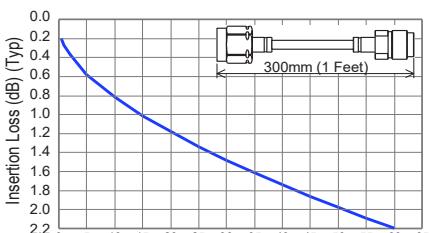


Fig.1 Frequency vs Insertion Loss, L=300 mm

---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

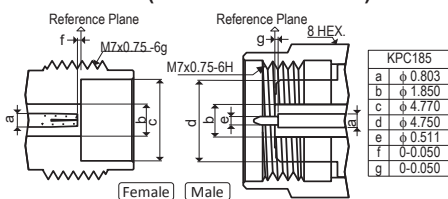
RoHS Compliant

REACH Compliant

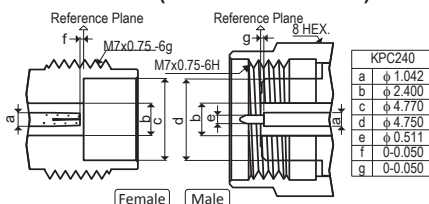
NOTE: All dimensions are in millimeters.

Connector Interface Mating Dimensions

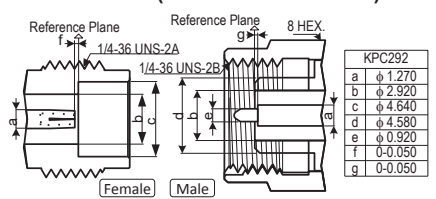
KPC185 (1.85 mm Connectors)



KPC240 (2.4 mm Connectors)



KPC292 (2.92 mm Connectors)



Specifications Subject to Change Without Notice

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