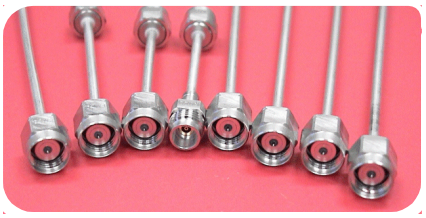
Re-Formable Semirigid Cable Assemblies:

Connector Interface 1.85mm for DC - 65GHz and DC - 60GHz, 2.4mm for DC - 50GHz, 2.92mm for DC - 40GHz

DESCRIPTION The **Re-Formable Semirigid Cable Assemblies** ,up to 40, 50 ,60 and 65 GHz, **easy to install with bending** on your Labs./Sites, are designed for broadband measurement, instrument and system use. All materials are "**lead free**".



SPECIFICATIONS:

Insertion Loss : See Fig.1
Temperature Range : -55 to 100 deg.C
Length (L) : 35 to 300mm +/-2mm [**](5mm/step)-------Standard
(Over 300mm to 1500mm, Considerable)

Production Status
Two weeks Lead-Time will be available for shipping.

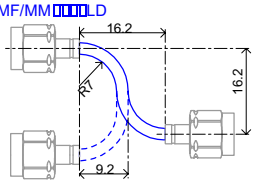
[*] Non Interconnect

[**] Please specify length(L: □□□ see following table), when you order this item.
For example: CA185MM0035 (Length:35mm)

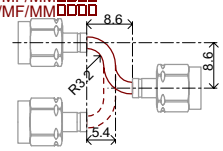
TYPE	Frequency Range	Return Loss	Connector Interfaces	Insertion Loss	Cable Properties
CA185FF □□□□LD Female/Female CA185MF □□□□LD Male/Female CA185MM □□□□LD Male/Male	DC-65GHz	Better than 17 dB	1.85mm	See Curve"A" in Fig.1	=Curve"A" in Fig.1= Outer Conductor: 2.2mm Dia.Copper with Cu/Sn/Zn plated Center Conductor: Silver plated copper clad steel Insulator: Low density PTFE Moding Freq. :70GHz(Approx.) Delay Time: 1.27ns/300mm Inside Bending Radius: 7mm(min)
CA185FF □□□□ Female/Female CA185MF □□□□ Male/Female CA185MM □□□□ Male/Male	DC-60GHz	Better than 18 dB		See Curve"B" in Fig.1	=Curve"B" in Fig.1= Outer Conductor: 2.2mm Dia.Copper with Cu/Sn/Zn plated Center Conductor: Silver plated copper Insulator: Solid PTFE Moding Freq.: 61GHz(Approx.) Delay Time: 1.43ns/300mm Inside Bending Radius: 3.2mm(min) Non-Magnetic
CA185- □□□□ [*] Male/Male		Better than 20 dB			
CA240FF □□□□ Female/Female CA240MF □□□□ Male/Female CA240MM □□□□ Male/Male	DC-50GHz	Better than 18 dB	2.4mm		
CA292FF □□□□ Female/Female CA292MF □□□□ Male/Female CA292MM □□□□ Male/Male	DC-40GHz	Better than 20 dB	2.92mm		

Reference for minimum cable installation space with rounded Re-Forming

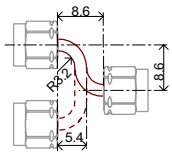
CA185FF/MF/MM □□□□LD



CA185FF/MF/MM □□□□
CA240FF/MF/MM □□□□
CA292FF/MF/MM □□□□



CA185- □□□□

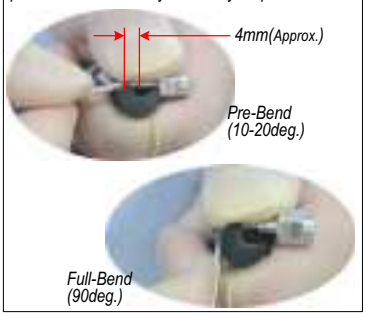


Hand Bender **2200**
For Re-Forming(R3.2/7mm)

Notice:

About the cable bending with hand bender 2200

To prevent the cable damage in the joint part of the cable and the connector, Please bend the cable in a place about 4mm away from the joint part.



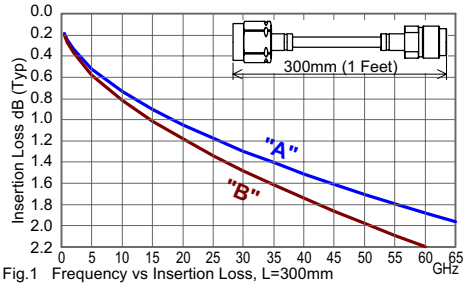


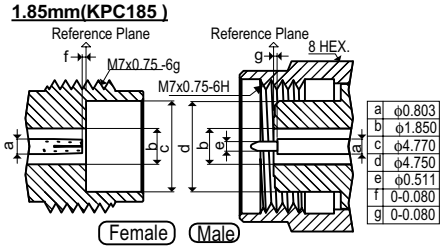
Fig.1 Frequency vs Insertion Loss, L=300mm

When you install the cable assemblies, please support a cable near the connector and tighten the nut, because the cable that composed of a thin copper tube may be damaged easily by a twist stress.

Fig.2 Tightening of Nut

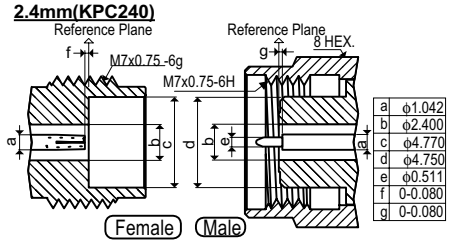
Connector Interface Mating Dimensions (IEEE-std-287 Conformed)

1.85mm(KPC185)



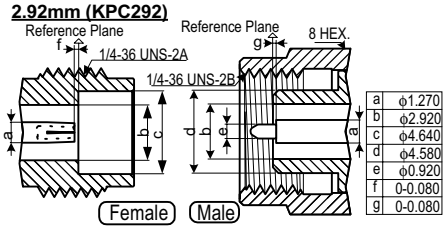
a	ϕ0.803
b	ϕ1.850
c	ϕ4.770
d	ϕ4.750
e	ϕ0.511
f	0-0.080
g	0-0.080

2.4mm(KPC240)



a	ϕ1.042
b	ϕ2.400
c	ϕ4.770
d	ϕ4.750
e	ϕ0.511
f	0-0.080
g	0-0.080

2.92mm (KPC292)



a	ϕ1.270
b	ϕ2.920
c	ϕ4.640
d	ϕ4.580
e	ϕ0.920
f	0-0.080
g	0-0.080

Specifications Subject to Change Without Notice. Note: All dimensions are in Millimeters.

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