

Re-Formable Semirigid Cable Assemblies, Between:

Connectors : 1.85, 2.4, 2.92 mm and SMPM

DESCRIPTION The Re-Formable Semirigid Cable Assemblies, Between, up to 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
 Return Loss : See following table
 Phase match : Available (+/- 2 ps or +/- 1 ps)
 Temperature Range : -55 to 100 deg.C
 Connector durability : >100 cycles [Predicted for SMPM]
 Length (L) : 25 to 800 mm +/-2mm [*]
 (Over 801mm to 1500mm, Considerable)
 Bending : On request

Connector Interfaces:

- 1.85 mm, 2.4 mm, and 2.92 mm are conformed IEEE-std-287.
 - SMPM as per MIL-STD-348A 328.1



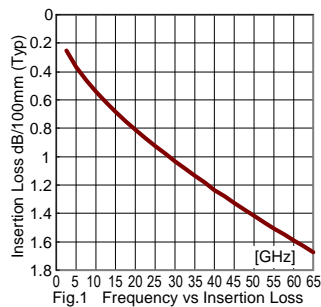
Production Status
 Two weeks Lead-Time will be available for shipping.

[*] Please specify length(L: nnnn see following table), when you order this item.
 For example: CA185F119SMPM0025 (Length:25 mm)

Frequency Range	TYPE	Connectors	Return Loss	Typical performance, including Coaxial adapters for SMPM
DC - 65GHz	CA185F119SMPMnnnn 	1.85 mm Female and SMPM Female	>22 dB, <13 GHz >16 dB, 13 to 48 GHz >12 dB, 48 to 65 GHz	
	CA185M119SMPMnnnn 	1.85 mm Male and SMPM Female		
DC - 50GHz	CA240F119SMPMnnnn 	2.40 mm Female and SMPM Female	>22 dB, <13 GHz >16 dB, 13 to 38 GHz >13 dB, 38 to 50 GHz	
	CA240M119SMPMnnnn 	2.40 mm Male and SMPM Female		
DC - 40GHz	CA292F119SMPMnnnn 	2.92 mm Female and SMPM Female	>22 dB, <13 GHz >16 dB, 13 to 35 GHz >13 dB, 35 to 40 GHz	
	CA292M119SMPMnnnn 	2.92 mm Male and SMPM Female		

Note: All dimensions are in Millimeters.

Cable Properties:
 Outer Conductor: 1.19 mm Dia. Copper with Cu/Sn/Zn plated
 Center Conductor: Silver plated copper
 Insulator : PTFE
 Moding Freq.: 111GHz (Approx.)
 Delay Time: 0.476ns/100mm
 Inside Bending Radius: 3 mm (min)
 Non-Magnetic



--Caution--

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



Hand Bender 1200 For Re-Forming(R3/6mm)

Notice:
 About the cable bending with hand bender 1200
 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.

Pre-Bend (10-20deg.)
 Full-Bend (90deg.)

Specifications Subject to Change Without Notice.

Copyright(C) 2012 KAWASHIMA Mfg. Co., Ltd. All rights reserved.

CA185_240_292_SMPMBetweenRev.00 27-Apr-2012



Kawashima Manufacturing Co., Ltd.

1-3-5 Higashiikuta, Tama-ku, Kawasaki 214-0031 JAPAN

TEL: +81-44-911-7073 FAX: +81-44-911-9621
 http://www.kmco.biz/ e-mail: sales@kmco.co.jp