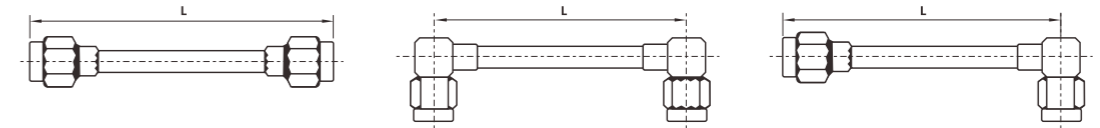


Cable-Assembly 电缆组件

电缆组件适用于机柜与模块之间、机柜与机柜之间、天线与馈缆之间以及馈缆与机柜之间的连接。电缆组件型号、品种繁多，用户除选择标准电缆长度外，可提出特殊要求的规格长度。

Cable assembly is applicable to connections between the cabinet and modules, cabinet and cabinet, antenna and feeder cables, feed cable and cabinet. Cable assembly is various in their types and kinds, so in addition to standard cable length, the users can also require special length and specifications.



c. Cable-Assembly		电缆组件
C.1	87	Corrugated Cable Assembly 波纹管跳线
C.2	89	Flexible Cable Assembly 柔性电缆组件
C.3	91	Semi-flexible/Semi-rigid Cable Assembly 半柔/半刚电缆组件
C.4	95	Testing Cable Assembly 测试级电缆组件

Corrugated Cable Assembly

波纹管跳线

DC-7.5GHz低损耗，低互调，通常用在室外长距离传输的无线基础设施线上。现有的电缆线制造使用螺旋（超柔性）或环状/环形（柔性）铜管外导体。

DC-7.5GHz. with low loss, low intermodulation, is often used in outdoor wireless infrastructure lines for long distance transmission. In existing cable manufacture, people use spiral (super flexible) or ring-shaped (flexible) brass outer conductor.

技术参数

Technical Data

Product No. 产品型号	Connector 1 接头1	Connector 2 接头2	Cable 电缆	Frequency Range 频率范围	VSWR 电压驻波比	PIM3 三阶互调
NM-NM-Lm NM-NF-Lm NF-NF-Lm	N	N	1/4" 1/4" S 3/8" 3/8" S 1/2" 1/2" S	DC - 3 GHz	≤ 1.15	≤ -155 dBc @ 2 × 43 dBm
Product No. 产品型号	Connector 1 接头1	Connector 2 接头2	Cable 电缆	Frequency Range 频率范围	VSWR 电压驻波比	PIM3 三阶互调
NM-7/16M-Lm NM-7/16F-Lm NF-7/16M-Lm NF-7/16F-Lm	N	7/16	1/4" 1/4" S 3/8" 3/8" S 1/2" 1/2" S	DC - 3 GHz	≤ 1.12	≤ -160dBc@2×43dBm
Product No. 产品型号	Connector 1 接头1	Connector 2 接头2	Cable 电缆	Frequency Range 频率范围	VSWR 电压驻波比	PIM3 三阶互调
7/16M-7/16M-Lm 7/16F-7/16M-Lm 7/16F-7/16F-Lm	7/16	7/16	1/4" 1/4" S 3/8" 3/8" S 1/2" 1/2" S	DC - 3 GHz	≤ 1.15	≤ -165 dBc @ 2 × 43 dBm

Product 产品型号	Frequency 频率范围
DF-DF-H-YD12.L	0-7.5GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-2.2GHz)	≤-165dBc (@900MHz、1800MHz)



C.1-1

Product 产品型号	Frequency 频率范围
DM-DM-H-YD12.L	0-7.5GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-2.2GHz)	≤-165dBc (@900MHz、1800MHz)



C.1-2

Product 产品型号	Frequency 频率范围
DM-R-DM-H-YD9.L	0-11GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-2.2GHz)	≤-165dBc (@900MHz、1800MHz)



C.1-3

Product 产品型号	Frequency 频率范围
NF-NF-H-YD12.L	0-11GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-2.2GHz)	≤-155dBc (@900MHz、1800MHz)



C.1-4

波纹管跳线

柔性电缆组件

Flexible Cable Assembly

柔性电缆组件

普通柔性电缆组件具有重量轻、柔性好等特点。具体可分为RG电缆组件系列、国产SFF电缆组件、国产SYV电缆组件三大系列。广泛应用于测试仪器，移动通讯，雷达等领域。

Ordinary flexible cable assembly features light weight, flexible, and other characteristics. It is classified into RG cable assemblies series, Chinese SFF cable assemblies, Chinese SYV cable assemblies three series. It is widely used in test equipment, mobile communications, radar and other fields.

柔性电缆组件组合

Connector 连接器	Flexible Cable 柔性电缆
SMP	
SMA	RG174 RG223
SMB	RG179(70Ω) RG59
MCX	RG316 RG6
BNC	RG58 RG393
TNC	RG141 RG214
N	
S7/16	
7/16	

Product 产品型号	Frequency 频率范围
L32FX-5DFB-NMX-5DFB	0-7.5GHz
VSWR 电压驻波比	Insertion Loss 插损
≤1.25(1.8-2.7GHz)	≤0.45×L+0.1×2dB



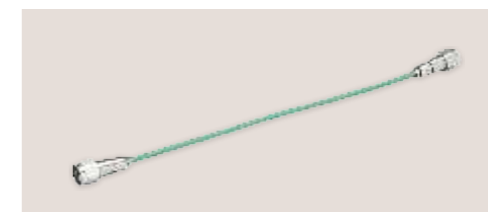
C.2-1

Product 产品型号	Frequency 频率范围
3.5F-3.5F-X-RG142	0-6GHZ
VSWR 电压驻波比	PIM3 三阶交调
≤1.20(DC-3GHz)	—



C.2-2

Product 产品型号	Frequency 频率范围
NM-NM-X-RG142	0-4GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-3GHz)	—



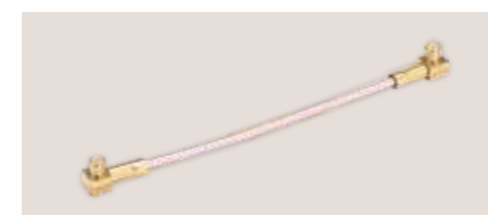
C.2-3

Product 产品型号	Frequency 频率范围
BNC-BNC-Y-RG58	0-6GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.20(DC-3GHz)	—



C.2-4

Product 产品型号	Frequency 频率范围
MCXF-MCXF-Y-RG316	0-4GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.15(DC-2.5GHz)	—



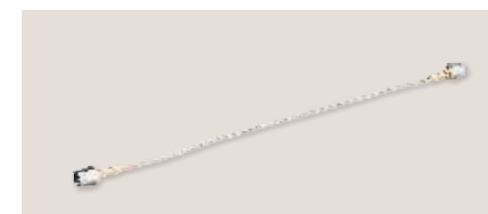
C.2-5

Product 产品型号	Frequency 频率范围
SMAM-SMA-X-RG142	0-4GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.20(DC-2.5GHz)	—



C.2-6

Product 产品型号	Frequency 频率范围
SMAM-SAMA-Y-RG316	0-4GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.20(DC-2.5GHz)	—



C.2-7

波纹管跳线

柔性电缆组件

半柔/半刚电缆组件

测试级电缆组件

Semi-flexible/Semi-rigid Cable Assembly

半柔/半刚电缆组件

半柔、半刚组件低损耗，衰减稳定性好，电缆屏蔽接近于理论值，优于-120dB，无信号串扰，驻波小，机械相位稳定性好，半刚电缆组件频率可达DC-18GHz，可根据用户的需求弯曲成一定形状。广泛应用于医疗设备，测试仪表，低温超导等领域。

Semi-soft, semi-rigid components have low loss, good attenuation stability, whose cable shield is close to the theoretical value, better than -120dB, no signal crosstalk, little standing wave, good mechanical phase stability, semi-rigid cable assemblies have frequencies up to DC-18GHz, can be bent into a certain shape according to the needs of users. It is widely used in medical equipment, test instruments, low-temperature superconductivity and other areas.

半柔/半刚电缆组件组合

Connector 连接器	Semi-rigid/flexible Cable 柔性电缆
SMP	RG145 RG402(141) RG401(250) RG400
SMA	
SMB	
MCX	
BNC	
TNC	
N	
S7/16	
7/16	

Product 产品型号	Frequency 频率范围
BMAF.H-RG402.L	0-7.5GHz

VSWR 电压驻波比	Phase Difference 相位差
≤1.20(1.8-2.7GHz)	±1.5°



C.3-1

Product 产品型号	Frequency 频率范围
L32MF-H01-RG402(四芯).L	0-7.5GHz

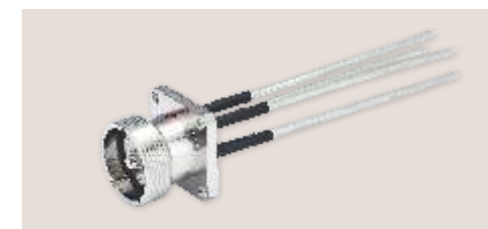
VSWR 电压驻波比	Insertion Loss 插损
≤1.25(1.8-2.7GHz)	≤0.45×L+0.1×2dB



C.3-2

Product No. 产品型号	Frequency 频率范围
L32MF-H01-RG402(五芯).L	0-7.5GHz

VSWR 电压驻波比	Insertion Loss 插损
≤1.25(1.8-2.7GHz)	≤0.45×L+0.1×2dB



C.3-3

Product 产品型号	Frequency 频率范围
NM-F-H-RG141.L	0-7.5GHz

VSWR 电压驻波比	Phase Difference 相位差
≤1.0(DC-3GHz)	±1.5°



C.3-4

Product 产品型号	Frequency 频率范围
NM-NM-H-RG141.L	0-6GHz

VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-3GHz)	≤-155dBc (@900MHz, 1800MHz)



C.3-5

波纹管跳线

柔性电缆组件

半柔/半刚电缆组件

测试级电缆组件

Semi-flexible/Semi-rigid Cable Assembly

半柔/半刚电缆组件

Product 产品型号	Frequency 频率范围
NM-NM-H-RG141L-01	0-11GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.12(0.69-2.7GHz)	≤-155dBc (@900MHz, 1800MHz)



C.3-6

Product 产品型号	Frequency 频率范围
NM-SMAM-H-RG405L	0-7.5GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.15(DC-3GHz)	—



C.3-7

Product 产品型号	Frequency 频率范围
SMAM-MCXF-H-RG402L	0-7.5GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.15(DC-3GHz)	—



C.3-8

Product 产品型号	Frequency 频率范围
SMAM-R-SMAM-H-RG141L	0-11GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.20(DC-3GHz)	—



C.3-9

Product 产品型号	Frequency 频率范围
SMAM-R-SMAM-R-H-RG141L	0-18GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.10(DC-3GHz)	—



C.3-10

Product 产品型号	Frequency 频率范围
Y02-RG405	0-4GHz
VSWR 电压驻波比	PIM3 三阶交调
≤1.30(DC-3GHz)	—



C.3-11

波纹管跳线

柔性电缆组件

半柔/半刚电缆组件

测试级电缆组件

Test Cable Assembly

测试级电缆组件

测试电缆组件具有良好的电性能，坚固耐用、卓越的阻抗、耐磨损、耐腐蚀，是专门为测试测量领域而设计。电缆组件视匹配的连接而定，工作频率最高可达26.5GHz。

Test cable assembly is durable and has good electrical performance, excellent impedance, good abrasion resistance, corrosion resistance, is specifically designed for test and measurement. Cable assembly follows the mating connector, and its maximum operating frequency can go up to 26.5GHz.

测试级电缆组件

Connector 1 接头1	Connector 2 接头2	Cable 电缆	Frequency Range 频率范围	VSWR 电压驻波比
2.92	2.92	A-flex 086/141/250/400 SFD147A/B, SFD210A/B SFD32051, SFD311A	DC to 40 GHz	1.44 to 40 GHz
2.92	3.5	A-flex 086/141/250/400 SFD147A/B, SFD210A/B SFD32051, SFD311A	DC to 26.5 GHz	1.44 to 40 GHz
3.5	3.5	A-flex 086/141/250/400 SFD147A/B, SFD210A/B SFD32051, SFD311A	DC to 26.5 GHz	1.35 to 40 GHz
3.5	N(PRECISION)	A-flex 086/141/250/400 SFD147A/B, SFD210A/B SFD32051, SFD311A	DC to 18 GHz	1.35 to 40 GHz
N(PRECISION)	N(PRECISION)	A-flex 086/141/250/400 SFD147A/B, SFD210A/B SFD32051, SFD311A	DC to 18 GHz	1.25 to 18 GHz



电气性能	Electrical Data	
三阶互调	IM3 Passive Intermediation	≤ -165 dBc @ 2 × 43 dBm, N Type DIN头可达到PIM(dBc ≤ -170 dBc @ 2 × 43 dBm)
频率	Frequency	DC - 3 GHz; DC - 6 GHz; DC - 18 GHz(N type)
驻波	VSWR	≤ 1.1 @ 3 Ghz, ≤ 1.15 @ 6 Ghz, ≤ 1.25 @ 18 GHz
阻抗	Impedance	50 Ω
屏蔽效率	Shielding Effectiveness	< -90 dB @ 3 GHz
插损	Insertion Loss,dB	< 0.6 dB/m @ 3 GHz(Inc. Connector), < 0.9 dB/m @ 6GHz(Incl. Connector) < 1.75 dB @ 18 GHz(Inc. Connector)
物理及机械特性	Physical & Mechanical Specifications	
长度	Length	可订制任意长度 Custom Available
连接器	Connector Type	N 7/16(DIN)
连接器插拔次数	Mating Life Cycle	> 500
公差	Length Tolerances +/-	1.5 % of Length
工作温度	Work Temperature	-40 °C - +85 °C
存储温度	Storage Temperature	-35 °C - +45 °C



电气性能	Electrical Data	
三阶互调	Im3 Passive Intermediation	-160 dBc - 170 dBc @ 2 × 43 dBm
频率	Frequency	DC - 10 Ghz
驻波	VSWR	1.15 @ DC - 3 Ghz, 1.2 @ 3-7 Ghz, 1.3 @ 8-10 Ghz
阻抗	Impedance	50Ω
屏蔽效率	Shielding Effectiveness	> -100 dB
物理及机械特性	Physical & Mechanical Specifications	
长度	Length	可订制任意长度 Custom Available
连接器	Connector Type	N 7/16(DIN)
连接器插拔次数	Mating Life Cycle	> 500
公差	Length Tolerances +/-	1.5% of Length
工作温度	Work Temperature	-40°C - +85 °C
存储温度	Storage Temperature	-35°C - +45 °C