



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SPECIFICATION

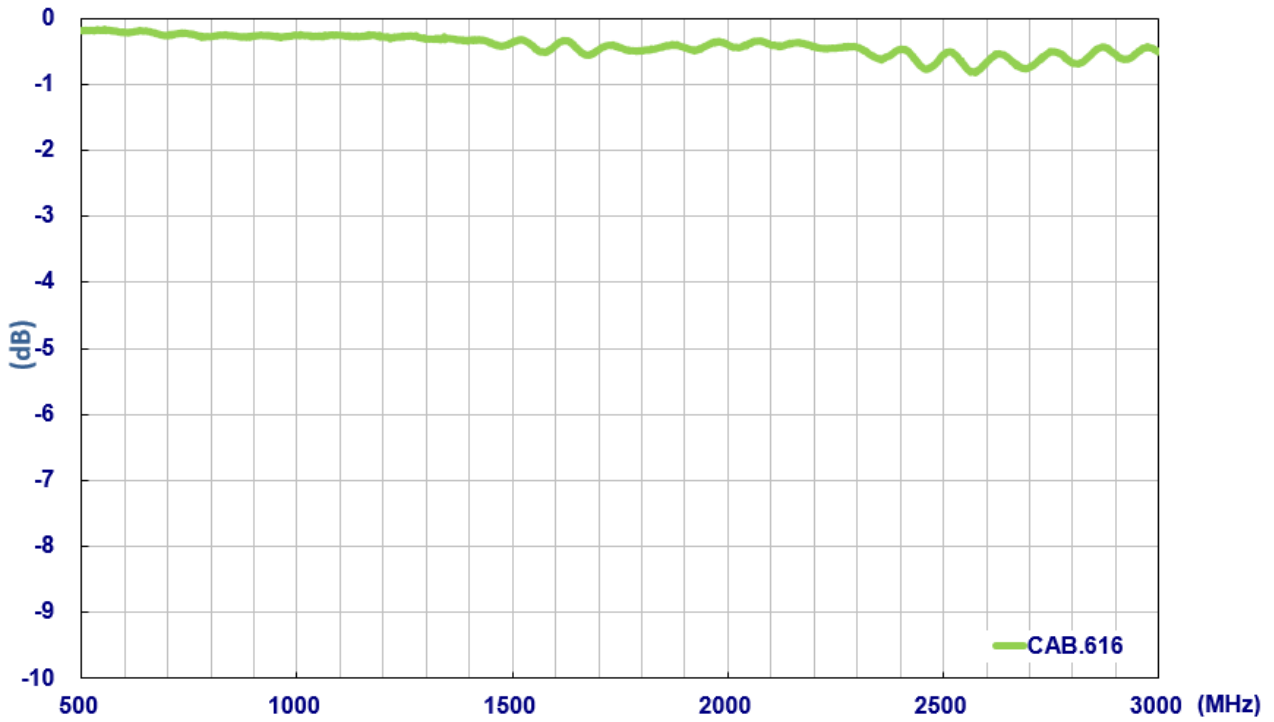
Part No. : **CAB.616**

Product Name : Taoglas Cable Assembly
IPEX MHFI to SMA(F)Bulkhead Straight with O-Ring Connector
with 100mm \varnothing 1.37 cable

Photo :

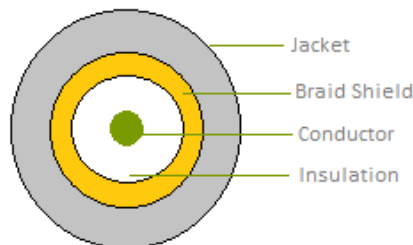


1. Cable Insertion Loss

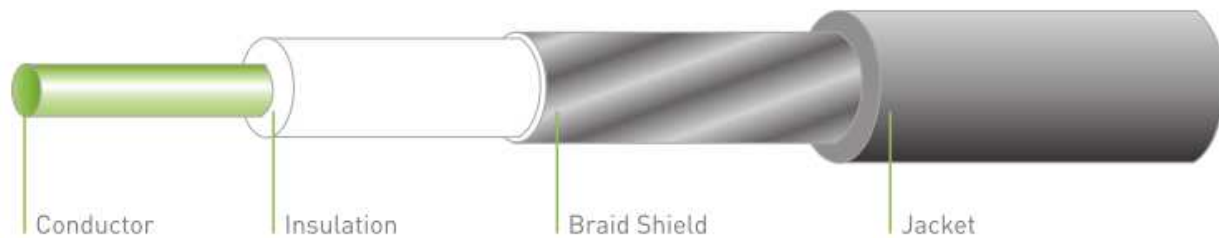


2. 1.37 Cable Specification

2.1 Drawing – Cross Section



2.2 Structure and Dimensions



- Material – Silver Coated Copper
- 30AWG(7/0.102mm)
- Diameter - 0.31mm

- Material – FEP
- Avg. Thickness- 0.30mm
- Diameter – $0.92 \pm 0.03\text{mm}$
- Color - Clear

- Material–Tinned-Coated Copper
- Structure – 16/6/0.050mm \pm 0.003
- Coverage – 95%
- Diameter – $1.15 \pm 0.05\text{mm}$

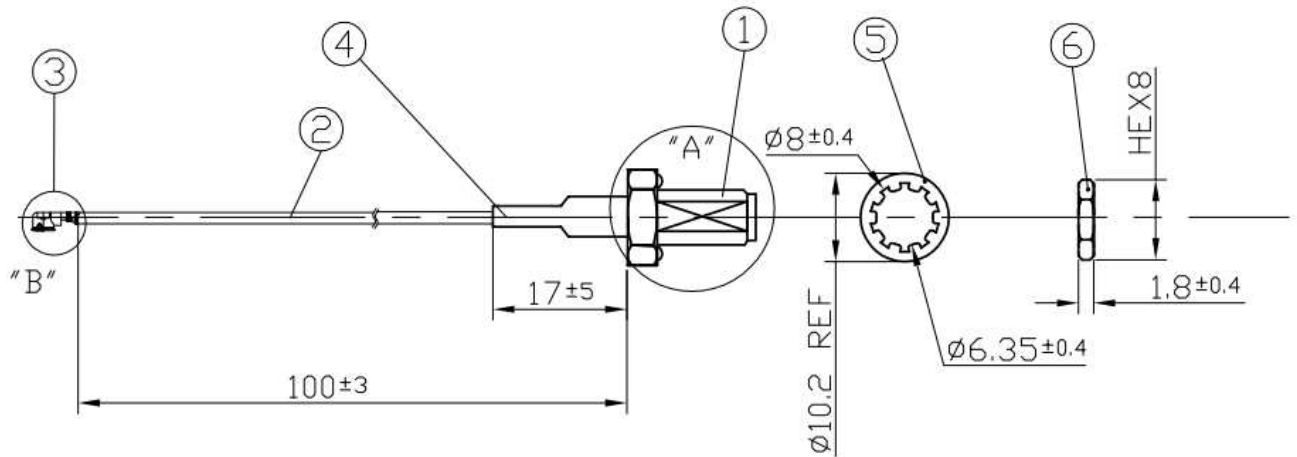
- Material – FEP
- Avg. Thickness- 0.13mm
- Diameter – $1.37 \pm 0.05\text{mm}$
- Color – Grey GY-08/Black

2.3 Electrical & Physical Specification

1	Item:	30 AWG		
2	Rating Temp Voltage:	105°C 30V UL 1979		
3	Insulation Resistance:	3000 MEGA OHM-KM Min.		
4	Conductor Resistance:	335 OHM/KM/20°C Max.		
5	Dielectric Strength:	AC 1.0 KV/minute		
6	Spark test:	2.5 KV		
7	Insulation	Unaged	Tensile Strength Elongation	2500 PSI Min.(1.76Kg/mm ²) 200% min.
		Aged	Tensile Strength Elongation	Unaged Min 75%(168HRS*232°C) Unaged Min 75%(168HRS*232°C)
	Jacket	Unaged	Tensile Strength Elongation	2500 PSI Min.(1.76Kg/mm ²) 200% min.
		Aged	Tensile Strength Elongation	Unaged Min 75%(168HRS*232°C) Unaged Min 75%(168HRS*232°C)
9	Nom. Impedance	50 ± 3 Ohms		
10	Nom. Capacitance	96 ± 3 pF/m		
11	Nom. Vel. Of Prop.	69%		
12	VSWR (0-6GHz)	Max 1.3		
13	Flame Test	VW-1 OK		
14	Thermal Shock	Less 1mm at 232°C/1 HR		
13	Bend Radius	9mm min.		
14	Attenuation (dB/1M)	2.0GHz	2.20	
		2.4GHz	2.60	
		3.0GHz	2.80	
		4.0GHz	3.40	
		5.0GHz	3.80	
		6.0GHz	4.30	

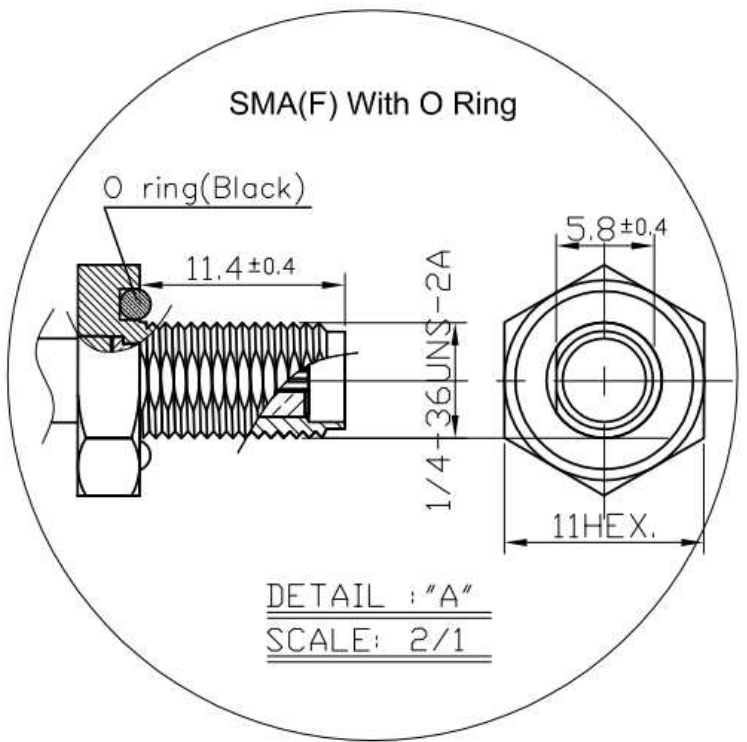
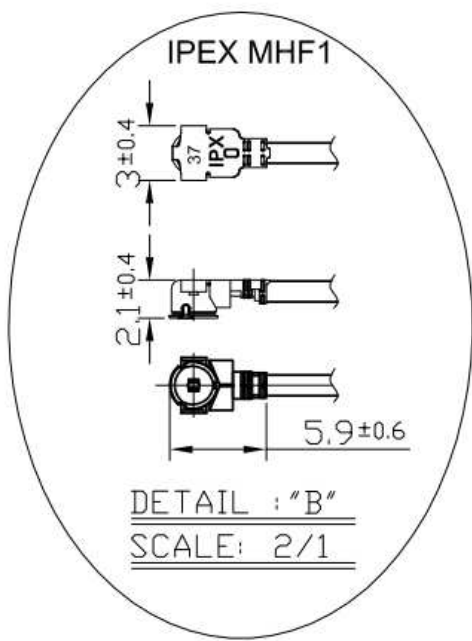
3. Technical Drawing

3.1 CAB.616



	Name	Material	Finish	QTY
1	SMA(F) With O Ring	Brass	Gold	1
2	1.37 Coaxial Cable	FEP Jacket	Black	1
3	IPEX MHF1	Brass	Gold	1
4	Heat Shrink Tube	PE	Black	1
5	Washer	Brass	Gold	1
6	Nut	Brass	Gold	1

3.2 Connectors



3.3 Recommended Mounting Hole – SMA(F) Bulkhead

