



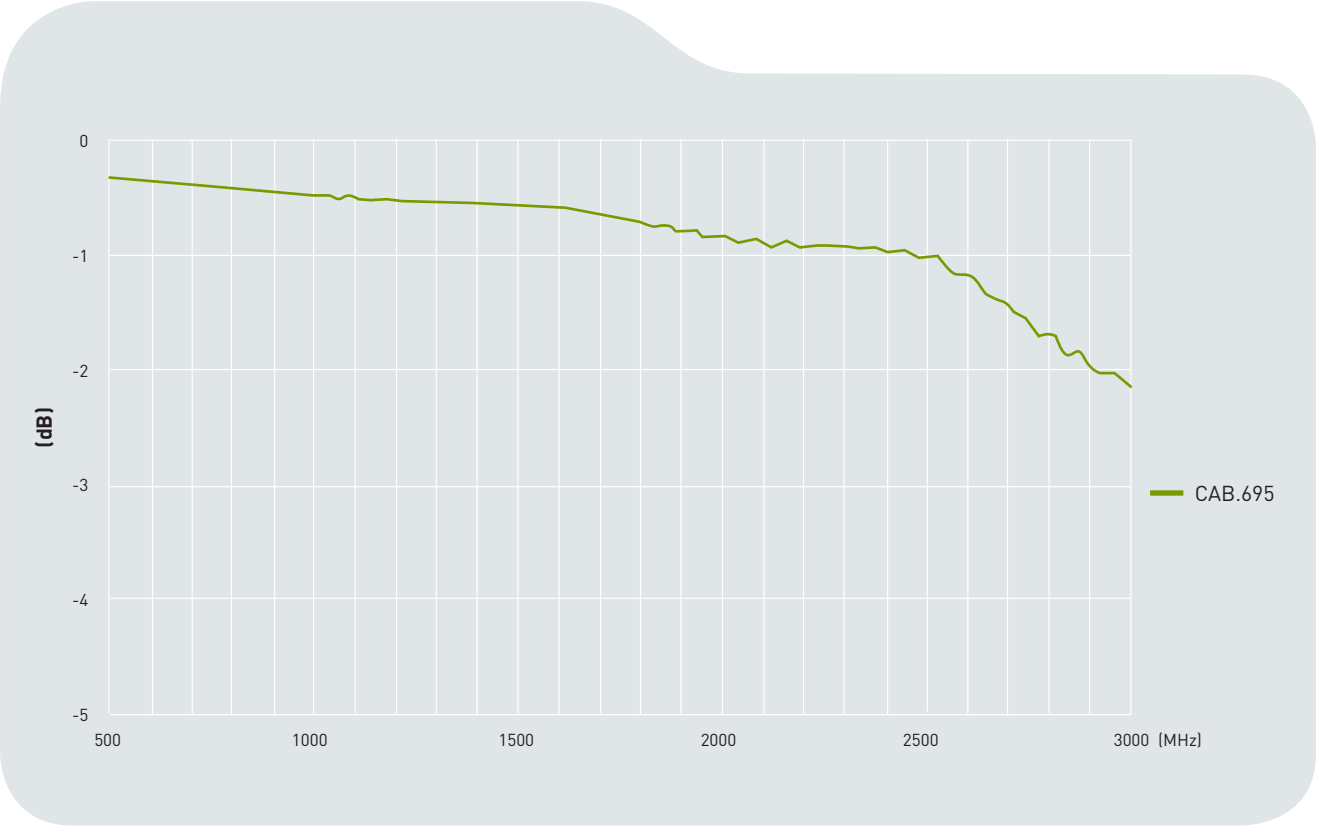
Close-up of CAB.695

CAB.695

Specification

Part No.	**CAB.695**
Product Name	**CAB.695** Taoglas Cable Assembly IPEX MHFI to FME Bulkhead Straight Jack RG-178 100mm DC-200MHz

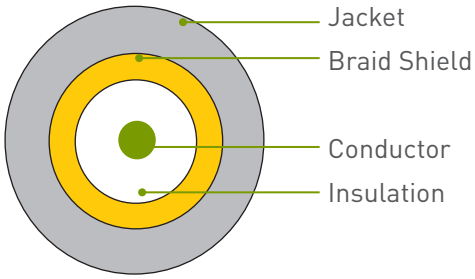
1. Cable Insertion Loss



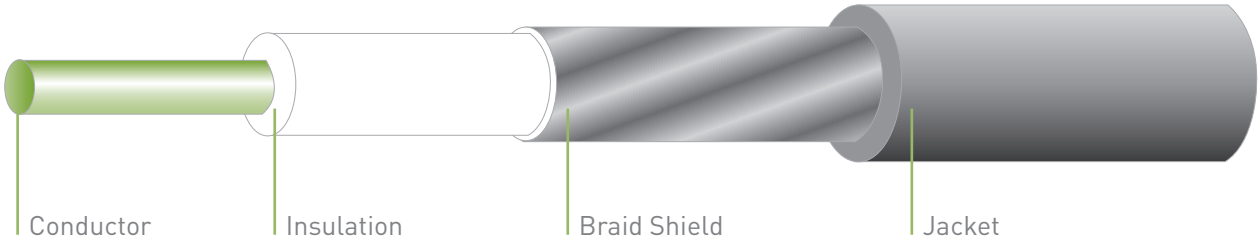
(Note: FME connector operation frequency range:DC-200MHz)

2. RG.178 Cable Specification

2.1 Drawing - Cross Section



2.2 Structure and Dimensions



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

Insulation
- Material - FEP
- Avg. Thickness - 0.28mm
- Diameter - 0.86 ± 0.03mm
- Colour - Clear

Braid Shield
- Material - Silver Coated Copper
- Structure - 16/6/0.050mm ± 0.003
- Coverage - 95%
- Diameter - 1.30 ± 0.04mm

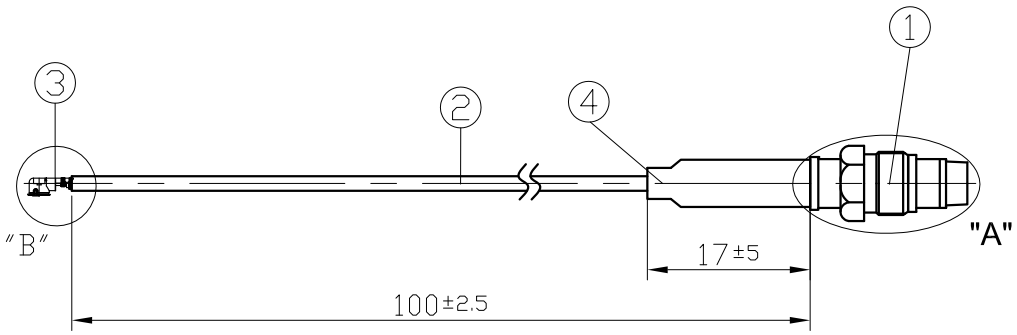
Jacket
- Material - FEP
- Avg. Thickness - 0.25mm
- Diameter - 1.80 ± 0.06mm
- Color - Brown

2.3 Electrical & Physical Specification

Specification			
Item	30 AWG		
Rating Temp Voltage	105°C 30V UL 1979		
Insulation Resistance	3000 MEGA OHM-KM Min.		
Conductor Resistance	838 OHM/KM/20°C Max.		
Dielectric Strength	AC 1.0 KV/minute		
Spark test	2.5 KV		
Insulation	Unaged	Tensile Strength	2500 PSI Min. (1.76Kg/mm²)
		Elongation	200% min.
	Aged	Tensile Strength	Unaged Min 75% (168HRS*232°C)
		Elongation	Unaged Min 75% (168HRS*232°C)
Jacket	Unaged	Tensile Strength	2500 PSI Min. (1.76Kg/mm²)
		Elongation	200% min.
	Aged	Tensile Strength	Unaged Min 75% (168HRS*232°C)
		Elongation	Unaged Min 75% (168HRS*232°C)
Nom. Impedance	50 ± 3 Ohms		
Nom. Capacitance	95.8 ± 3 pF/m		
Nom. Vel. Of Prop.	69.5%		
VSWR (0-6GHz)	Max 1.3		
Attenuation (dB/1M)	1.0GHz	1.70	
	2.0GHz	2.50	
	3.0GHz	3.20	
	4.0GHz	3.60	
	5.0GHz	3.95	
	6.0GHz	4.80	

3. Technical Drawing

3.1 CAB.695



	Name	Material	Finish	QTY
1	FME (F)	Brass	Ni Plate	1
2	RG178	FEP	Brown	1
3	IPEX MHFI	Brass	Gold	1
4	Heat Shrink Tube	PE	Black	1

3.2 Connectors

