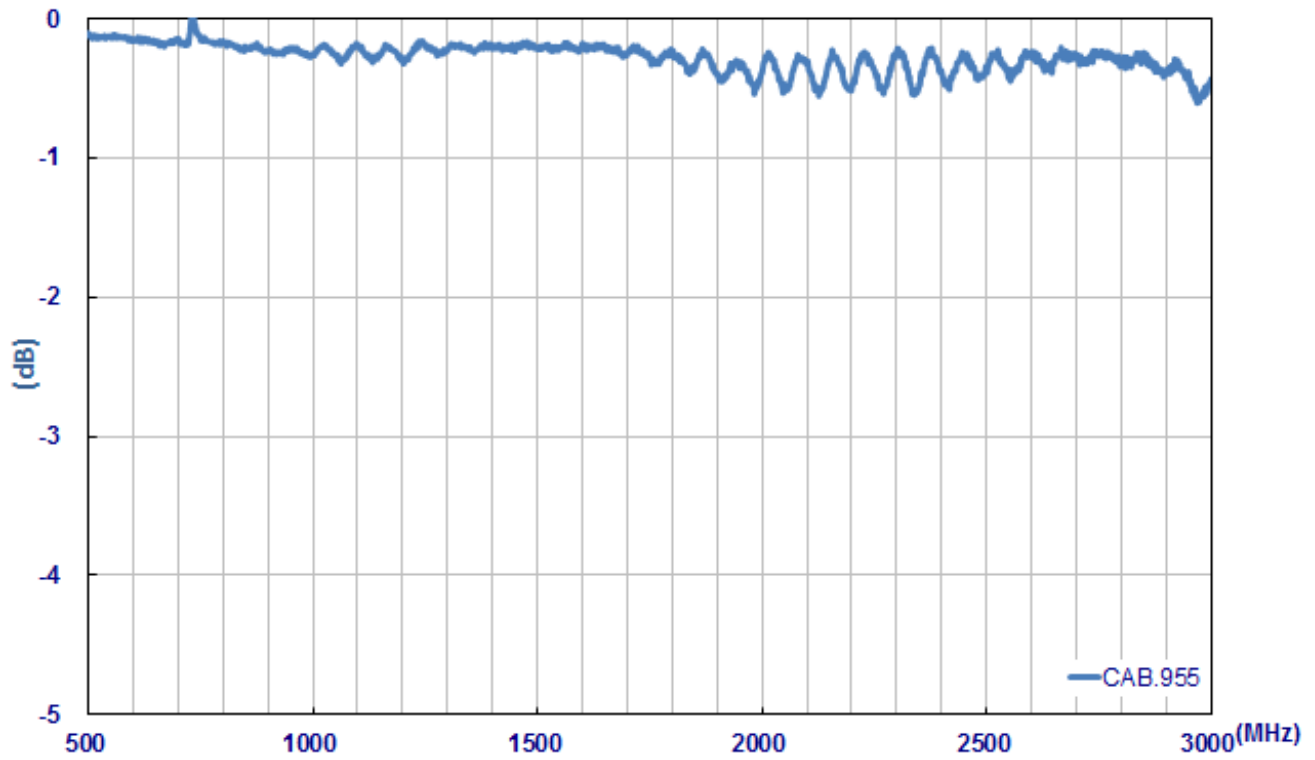


## SPECIFICATION

Part No. : **CAB.955**  
Product Name : Taoglas Cable Assembly  
N Type Jack with O-Ring to 100mm(3.93") RG-316 SMA(M)ST  
PLUG  
Photo :

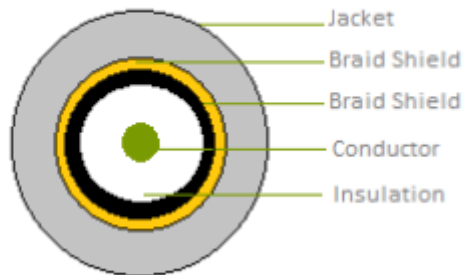


## 1. Cable Insertion Loss

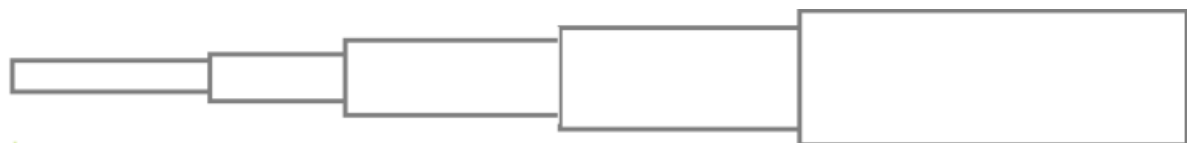


## 2. RG-316 Cable Specification

### 2.1 Drawing – Cross Section



### 2.2 Structure and Dimensions



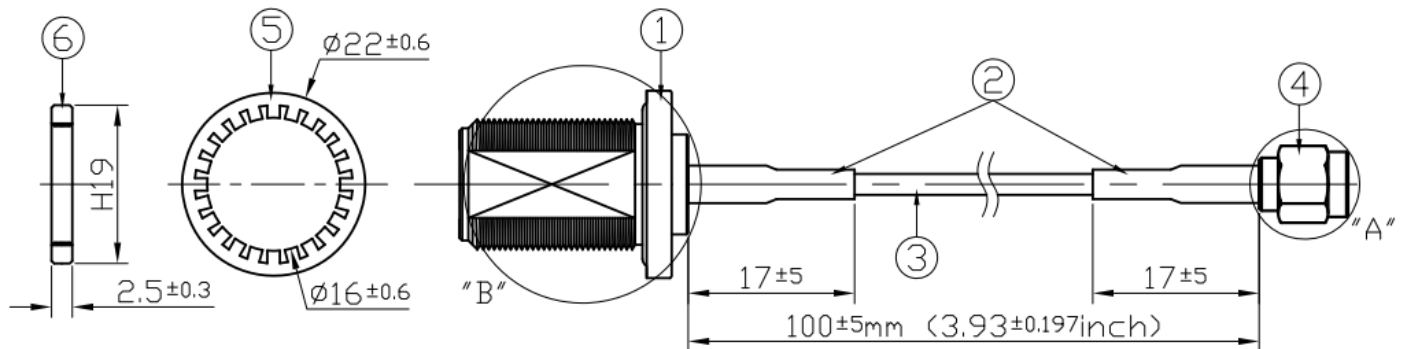
| Conductor                                                                                                                                         | Insulation                                                                                                                                                 | Braid Shield                                                                                                                                                                | Braid Shield                                                                                                                                                                | Jacket                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Material – Silver Coated Copper Clad Steel</li> <li>26AWG(7/0.175mm)</li> <li>Diameter - 0.53mm</li> </ul> | <ul style="list-style-type: none"> <li>Material – FEP</li> <li>Avg. Thickness- 0.51mm</li> <li>Diameter – 1.53 ± 0.03mm</li> <li>Colour - Clear</li> </ul> | <ul style="list-style-type: none"> <li>Material–Silver -Coated Copper</li> <li>Structure – 16/5/0.10mm</li> <li>Coverage – 95%</li> <li>Diameter – 1.98 ± 0.05mm</li> </ul> | <ul style="list-style-type: none"> <li>Material–Silver -Coated Copper</li> <li>Structure – 16/5/0.10mm</li> <li>Coverage – 86%</li> <li>Diameter – 2.38 ± 0.05mm</li> </ul> | <ul style="list-style-type: none"> <li>Material – FEP</li> <li>Avg. Thickness- 0.30mm</li> <li>Diameter – 2.90 ± 0.10mm</li> <li>Colour – Brown</li> </ul> |

### 2.3 Electrical & Physical Specification

|                        |                     |        |      |      |      |      |
|------------------------|---------------------|--------|------|------|------|------|
| Rating Temp Voltage:   | 105°C 30V           |        |      |      |      |      |
| Insulation Resistance: | 3000 MΩ-Km (Min)    |        |      |      |      |      |
| Conductor Resistance:  | 302 Ω/Km 20°C (Max) |        |      |      |      |      |
| Dielectric Strength:   | AC 1 KV/Minute      |        |      |      |      |      |
| Spark Test             | 5.0 KV              |        |      |      |      |      |
| Nom. Impedance         | 50 ± 3 Ω            |        |      |      |      |      |
| Nom. Capacitance       | 95.8 ± 3 pF/m       |        |      |      |      |      |
| Nom. Vel. of Prop.     | 69%                 |        |      |      |      |      |
| VSWR (0-6 GHz)         | Max 1.3             |        |      |      |      |      |
| Attenuation            | 2GHz                | 2.4GHz | 3GHz | 4GHz | 5GHz | 6GHz |
| (dB/1M)                | 1.35                | 1.5    | 1.62 | 1.91 | 2.2  | 2.7  |

## 3. Technical Drawing

### 3.1 CAB.955



|   | Name                      | Material | Finish    | QTY |
|---|---------------------------|----------|-----------|-----|
| 1 | N Type(F) ST              | Brass    | Ni Plated | 1   |
| 2 | Heat Shrink Tube (RG-316) | PE       | Black     | 2   |
| 3 | RG-316 Coaxial Cable      | FEP      | Brown     | 1   |
| 4 | SMA(M) ST                 | Brass    | Gold      | 1   |
| 5 | Washer                    | Brass    | Ni Plated | 1   |
| 6 | Nut                       | Brass    | Ni Plated | 1   |

## 3.2 Connectors

