



## Low Loss Phase Amplitude Stable Flexible Cable



### Features

- 1.85mm male to 1.85mm male
- Length 3ft / 914mm
- Frequency DC – 67GHz
- Excellent VSWR , ultra low insertion loss
- Phase and amplitude stability over flexure and wide temperature range(-55 to +85°C)
- Time delay, phase matching is available

### Applications

- RF , microwave integrating system and sub-assemblies
- Use in test lab environment

### Electrical Specifications, $T_A=25^{\circ}\text{C}$

| Parameters                      | Min.                                            | Typ. | Max. | Units    |
|---------------------------------|-------------------------------------------------|------|------|----------|
| Frequency Range                 | DC                                              |      | 67   | GHz      |
| Insertion Loss                  |                                                 | 5.4  | 6.24 | dB       |
| VSWR                            |                                                 | 1.2  | 1.35 | :1       |
| Amplitude Stability *           | $\pm 0.15$                                      |      |      | dB       |
| Phase Stability *               | $\pm 7.0$                                       |      |      | degrees  |
| Temperature Amplitude Stability | <750@-55°C+85°C                                 |      |      | PPM      |
| Maximum Outer Diameter          | 0.087"/2.2                                      |      |      | inch/mm  |
| Minimum Bend Radius (Dynamic)   | 0.87"/22                                        |      |      | inch/mm  |
| Minimum Bend Radius (Static)    | 0.335"/8.5                                      |      |      | inch/mm  |
| Mating Cycles                   | >500                                            |      |      |          |
| Recommended Torque              | 0.9                                             |      |      | Nm       |
| Weight                          | 0.6                                             |      |      | ounces   |
| Impedance                       | 50                                              |      |      | $\Omega$ |
| Connectors                      | Connector 1:1.85mm-male Connector 2:1.85mm-male |      |      |          |
| Connector Body                  | stainless steel, passivated                     |      |      |          |
| Connector Center Conductor      | gold-plated beryllium copper                    |      |      |          |
| Connector Dielectric            | CPS                                             |      |      |          |

\* 360°, minimum bend radius (dynamic)

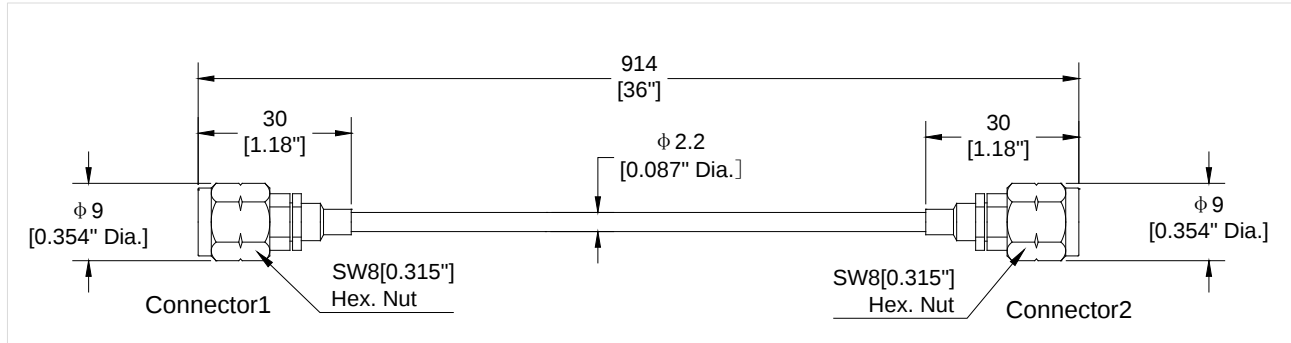
### Environmental Specifications

|                         |               |
|-------------------------|---------------|
| Operational Temperature | -55 to +100°C |
| Storage Temperature     | -55 to +100°C |

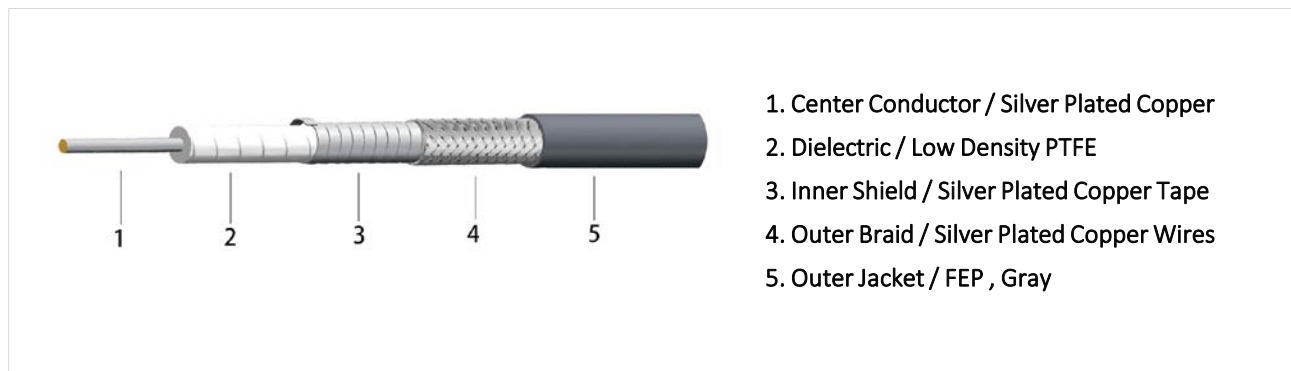


## Outline Drawing:

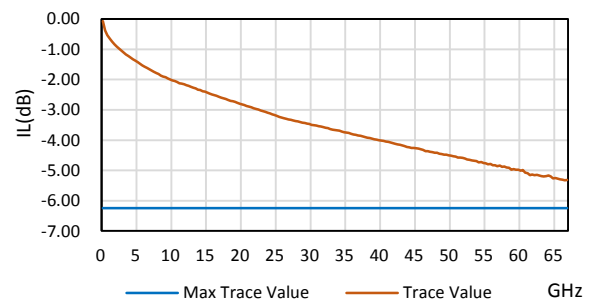
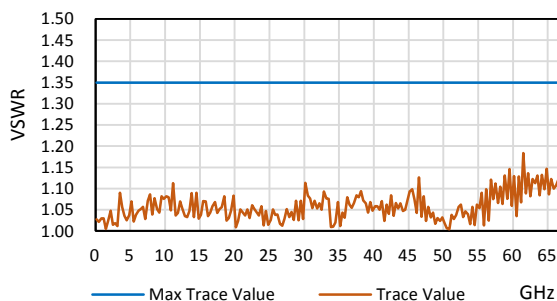
All Dimensions in mm[inches]



## Cable Structure:



## Typical Performance Data :



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