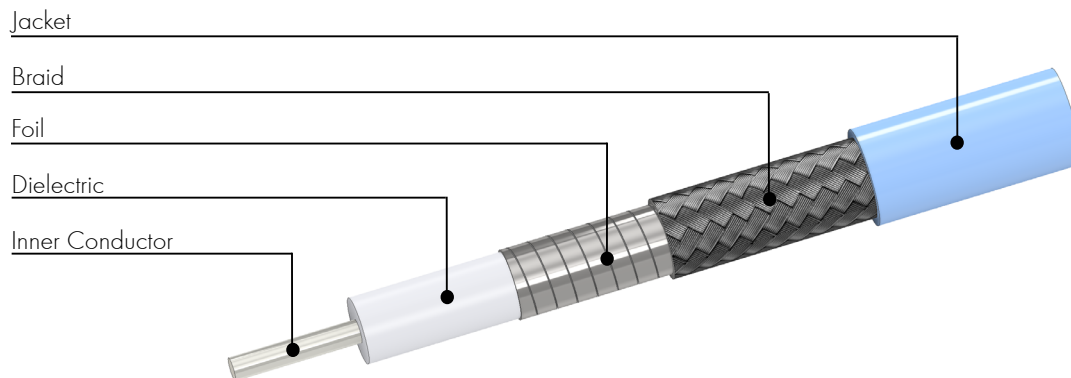




Multi Purpose Ultra Low Loss  
RF/Microwave Test Cable

**MPUL580A**



**Material And Diameter**

| Connector parts | Material                                 | Diameter           |
|-----------------|------------------------------------------|--------------------|
| Inner conductor | Solid, Silver Plated Copper (SPC)        |                    |
| Dielectric      | EPTFE (Expanded Polytetrafluoroethylene) |                    |
| Foil            | Copper, Silver plated                    |                    |
| Braid           | Copper, Silver plated                    |                    |
| Jacket          | FEP (Fluorinated ethylene propylene)     | 5.8mm (0.230 inch) |

**Electrical Data**

|                                      |                |
|--------------------------------------|----------------|
| Impedance                            | 50 $\Omega$    |
| Frequency                            | DC to 26.5 GHz |
| Capacitance                          | 7.31 pF/m      |
| Velocity of signal propagation       | 83 %           |
| Signal delay                         | 0.37 ns/m      |
| Shielding effectiveness up to 32 GHz | > 90 dB        |

**Mechanical Data**

|                     |        |
|---------------------|--------|
| Weight              | 72 g/m |
| Min. bending radius | 19 mm  |

**Environmental Data**

|                   |                 |
|-------------------|-----------------|
| Temperature range | -65°C to +125°C |
| RoHS (2002/95/EC) | compliant       |

**Typical Attenuation**

| Frequency (GHz) | Typical Attenuation (dB/m)<br>@ 20°C sea level | Typical Attenuation (dB/ft)<br>@ 20°C sea level | Max. CW power (Watt)<br>@ 20°C sea level |
|-----------------|------------------------------------------------|-------------------------------------------------|------------------------------------------|
| 1               | 0.2                                            | 0.061                                           | 982                                      |
| 4               | 0.41                                           | 0.125                                           | 464                                      |
| 8               | 0.59                                           | 0.180                                           | 339                                      |
| 12              | 0.74                                           | 0.224                                           | 277                                      |
| 18              | 0.92                                           | 0.280                                           | 241                                      |
| 26.5            | 1.14                                           | 0.347                                           | N/A                                      |