

**Part No. WCBA-WCA0929F.29MRXXX Series**

**40GHz WCA09 Flexible Cable Assembly 2.92mm(F)-2.92mm(M) R/A**



**Features:**

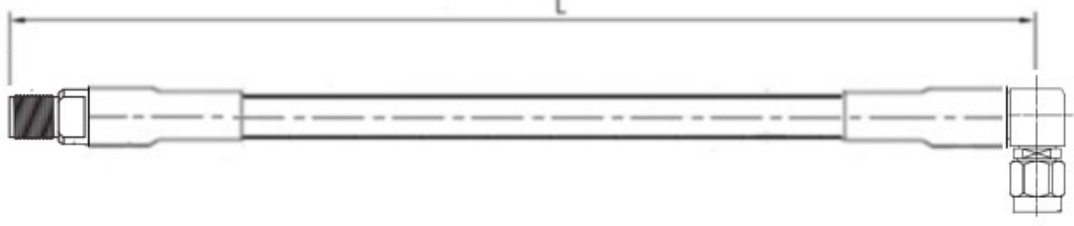
- Low VSWR
- Low Insertion Loss
- High Reliability



| WCA09 Raw Cable Electrical Specification |            |      |      |      |      |      |      |      |           |
|------------------------------------------|------------|------|------|------|------|------|------|------|-----------|
| Cut-off Frequency                        | 45GHz      |      |      |      |      |      |      |      |           |
| Max. Operating Frequency                 | 40GHz      |      |      |      |      |      |      |      |           |
| Frequency                                | 3          | 6    | 8    | 10   | 12.4 | 18   | 26.5 | 40   | GHz       |
| Attenuation                              | 0.83       | 1.12 | 1.26 | 1.39 | 1.52 | 1.83 | 2.20 | 2.73 | dB/m Typ. |
| Power                                    | 286        | 195  | 171  | 152  | 133  | 112  | 89   | 72   | Watts     |
| Velocity of propagation                  | 82%        |      |      |      |      |      |      |      |           |
| Shielding Effectiveness                  | 90 dB min. |      |      |      |      |      |      |      |           |
| Min. Bending Radius: installation        | 16 mm      |      |      |      |      |      |      |      |           |
| Min. Bending Radius: Repeated            | 37mm       |      |      |      |      |      |      |      |           |
| Impedance                                | 50 ohm     |      |      |      |      |      |      |      |           |

| WCA09 Raw Cable Mechanical/ Material Specification |          |                            |
|----------------------------------------------------|----------|----------------------------|
| Description                                        | Diameter | Material                   |
| Center Conductor                                   | 0.91 mm  | Silver Plated Copper       |
| Dielectric                                         | 2.50mm   | PTFE                       |
| Inner Shield                                       | 2.66mm   | Silver Plated Copper Strip |
| Outer Shield                                       | 3.11 mm  | Silver Plated Copper       |
| Jacket                                             | 3.60mm   | FEP                        |

| WCA09 Raw Cable Environmental Specification |            |
|---------------------------------------------|------------|
| Operating Temperature                       | -55 ~+165℃ |

| Cable Assembly Specification                                                                                                    |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 40GHz WCA09 Flexible Cable Assembly 2.92mm(F)-2.92mm(M) R/A                                                                     |                                                                                    |
| Part No.                                                                                                                        | WCBA-WCA0929F.29MRXXX<br>(XXX:Length,Unit: Meters)                                 |
| Frequency                                                                                                                       | 40GHz (max.)                                                                       |
| Connection 1                                                                                                                    | 2.92mm Female                                                                      |
| Connection 2                                                                                                                    | 2.92mm Male Right Angle                                                            |
| VSWR                                                                                                                            | 1.4:1(max.)                                                                        |
| <b>Outline</b><br><b>(Unit: Meters)</b><br>Unless Otherwise Specified<br>Linearity Tolerance:<br>100~200mm:±8mm<br>>200mm:±1.5% |  |