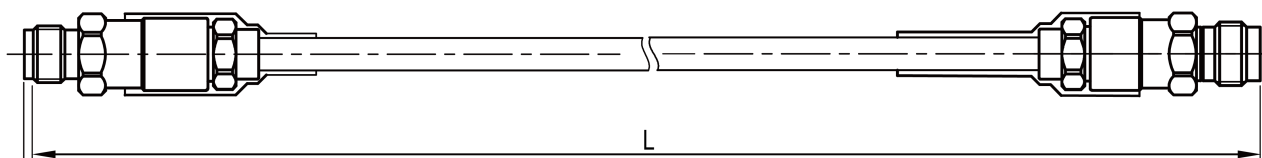




## Ultra-Low Loss Phase Stable Cable Assembly, RCA360-SFUF-L SMA Female to 2.4mm Female, DC-26.5GHz, Ø3.6mm

Dimensions(mm) Tolerance $\pm 1\%$



### Electrical & Environmental

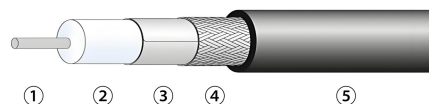
|                 |                      |
|-----------------|----------------------|
| Frequency Range | DC-26.5GHz, 50 Ohms  |
| Avg Power@25°C  | 65.8W @26.5GHz       |
| I L@1M          | 2.65 dB Max @26.5GHz |
| VSWR            | 1.3 Max              |
| Dk              | 1.49                 |
| Capacitance     | 80 pF/m              |
| Inductance      | 0.19 uH/m            |
| VOP             | 83%                  |
| SE              | 90dB Min             |
| Voltage         | 1000V@DC             |
| Temp. Phase     | 750 PPM Max          |
| OT              | -40~+125°C           |

### Product Information

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Product Number     | RCA360-SFUF-L                                    |
| Product Type       | Ultra-Low Loss Phase Stable Cable Assembly       |
| Cable              | RCA360                                           |
| Connector          | SMA Female to 2.4mm Female                       |
| Connector Body     | Passivated stainless steel                       |
| Center Contact     | Gold plated brass & Gold plated beryllium copper |
| Bend Radius        | 18.00mm                                          |
| Bend Radius (Rep.) | 36.00mm                                          |

Customized services: including connectors, length, phase matching/tracking, time delay, and better electrical performance.

### RCA360 Structure Characteristics



| Structure          | Material                           | ΦD(mm) |
|--------------------|------------------------------------|--------|
| 1.Center Conductor | Single-core Silver-plated Copper   | 0.91   |
| 2.Dielectric       | LD-PTFE                            | 2.50   |
| 3.Inner shield     | Silver-plated Copper Tape Wrapping | 2.66   |
| 4.Outer Shield     | Silver-plated Copper Wire Braiding | 3.11   |
| 5.Jacket           | Gray FEP                           | 3.60   |

### Product Selection and Loss Index @25°C

| RFTOP P/N        | 3GHz    | 15GHz   | 26.5GHz |
|------------------|---------|---------|---------|
| RCA360-SFUF-300  | 0.80 dB | 1.05 dB | 1.21 dB |
| RCA360-SFUF-600  | 0.99 dB | 1.50 dB | 1.83 dB |
| RCA360-SFUF-1M   | 1.26 dB | 2.10 dB | 2.65 dB |
| RCA360-SFUF-1.5M | 1.58 dB | 2.85 dB | 3.67 dB |
| RCA360-SFUF-2M   | 1.91 dB | 3.60 dB | 4.70 dB |