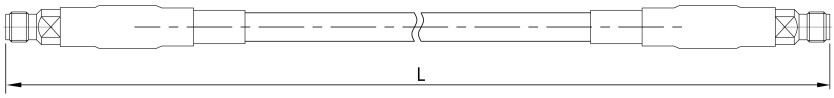


## Armored Test Cable Assembly, RCP670E-KFKF-L
## 2.92mm Female to 2.92mm Female, DC-40GHz, ø6.7mm

01

### Dimensions(mm) Tolerance±1%




02

### Electrical & Environmental

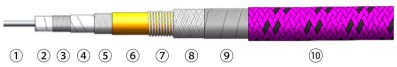
| | |
|---|---|
| **Frequency Range** | DC-40GHz, 50 Ohms |
| **Avg Power@25℃** | 52.5W @40GHz |
| **I L@1M** | 3.16 dB Max @40GHz |
| **VSWR** | 1.3 Max |
| **Capacitance** | 80 pF/m |
| **VOP** | 83% |
| **SE** | 90dB Min |
| **Voltage** | 1000V@DC |
| **Temp. Phase** | 750PPM Max |
| **OT** | -55 ~ +125℃ |

03

### Product Information

| | |
|---|---|
| **Product Number** | RCP670E-KFKF-L |
| **Product Type** | Armored Test Cable Assembly |
| **Cable** | RCT400/RCP670 |
| **Connector** | 2.92mm(K,SK) Female to 2.92mm(K,SK) Female |
| **Connector Body** | Passivated stainless steel |
| **Center Contact** | Gold plated beryllium copper |
| **Bend Radius** | 33.00mm |
| **Bend Radius (Rep.)** | 67.00mm |

**RCT400/RCP670 Structure Characteristics**




| Structure | Material | ΦD(mm) |
|---|---|---|
| 1.Center Conductor | Single-core Silver-plated C opper | 0.91 |
| 2.Dielectric | LD-PTFE | 2.50 |
| 3.Inner shield | Silver-plated Copper Tape Braiding | 2.66 |
| 4.Interlayer | LD-PTFE | 2.95 |
| 5.Outer Shield | Silver-plated Copper Wire Braiding | 3.40 |
| 6.Jacket | Yellow FEP | 4.00 |
| 7.Spring | Silver-plated Copper | 5.34 |
| 8.Braided Layer | Silver-plated Copper | 5.74 |
| 9.Stable Layer | PTFE | 6.00 |
| 10.Armor Jacket | Purplish Black PTFE | 6.70 |

**Product Selection and Loss Index @25℃**

| RFTOP P/N | 3GHz | 22GHz | 40GHz |
|---|---|---|---|
| RCP670E-KFKF-600 | 0.99 dB | 1.70 dB | 2.13 dB |
| RCP670E-KFKF-1M | 1.26 dB | 2.43 dB | 3.16 dB |
| RCP670E-KFKF-1.5M | 1.58 dB | 3.35 dB | 4.44 dB |
| RCP670E-KFKF-2M | 1.91 dB | 4.26 dB | 5.71 dB |