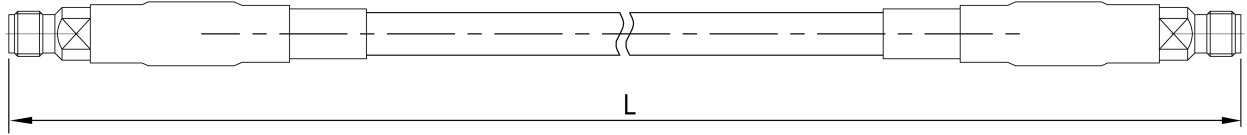


## Armored Test Cable Assembly, RCP670E-KFKF-L 2.92mm Female to 2.92mm Female, DC-40GHz, $\phi 6.7\text{mm}$

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



### Electrical & Environmental

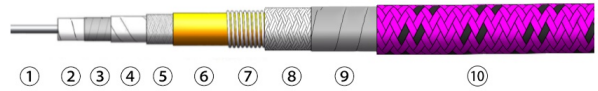
|                        |                     |
|------------------------|---------------------|
| <b>Frequency Range</b> | DC-40GHz, 50 Ohms   |
| <b>Avg Power@25°C</b>  | 39.9W @40GHz        |
| <b>IL@1M</b>           | 3.18 dB Max @40GHz  |
| <b>VSWR</b>            | 1.3 Max             |
| <b>VOP</b>             | 83%                 |
| <b>SE</b>              | 90dB Min            |
| <b>ATTEN-STAB</b>      | $\pm 0.04\text{dB}$ |
| <b>Mech. Phase</b>     | $\pm 4^\circ$       |
| <b>OT</b>              | -40~+150°C          |

### Product Information

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

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

### RCT400/RCP670 Structure Characteristics



| Structure          | Material                           | $\Phi D(\text{mm})$ |
|--------------------|------------------------------------|---------------------|
| 1.Center Conductor | Single-core Silver-plated Copper   | 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                         | 4.20                |
| 7.Spring           | Silver-plated Copper               | 5.34                |
| 8.Braided Layer    | Tinned Wire                        | 5.74                |
| 9.Stable Layer     | PTFE                               | 6.00                |
| 10.Armor Jacket    | Purplish Black PTFE                | 6.70                |

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

| RFTOP P/N         | 3GHz    | 22GHz   | 40GHz   |
|-------------------|---------|---------|---------|
| RCP670E-KFKF-600  | 1.00 dB | 1.71 dB | 2.15 dB |
| RCP670E-KFKF-1M   | 1.27 dB | 2.45 dB | 3.18 dB |
| RCP670E-KFKF-1.5M | 1.61 dB | 3.38 dB | 4.46 dB |
| RCP670E-KFKF-2M   | 1.94 dB | 4.31 dB | 5.75 dB |