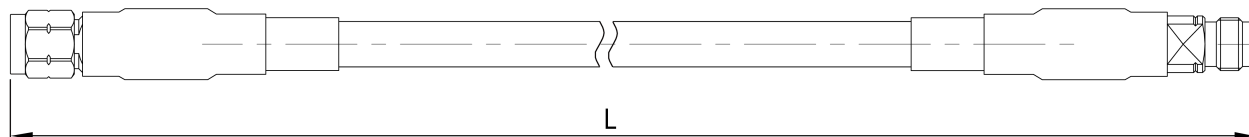


## Armored Test Cable Assembly, RCP670H-UMUF-L 2.4mm Male to 2.4mm Female, DC-40GHz, ø6.7mm

### Dimensions(mm) Tolerance±1%



### Electrical & Environmental

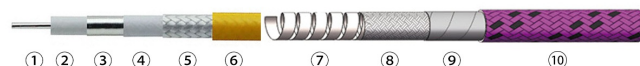
|                        |                    |
|------------------------|--------------------|
| <b>Frequency Range</b> | DC-40GHz, 50 Ohms  |
| <b>Avg Power@25°C</b>  | 39.9W @40GHz       |
| <b>I L@1M</b>          | 3.18 dB Max @40GHz |
| <b>VSWR</b>            | 1.3 Max            |
| <b>VOP</b>             | 83%                |
| <b>SE</b>              | 90dB Min           |
| <b>ATTEN-STAB</b>      | ±0.04dB Max        |
| <b>Mech. Phase</b>     | ±4°                |
| <b>OT</b>              | -40~+150°C         |

### Product Information

|                           |                              |
|---------------------------|------------------------------|
| <b>Product Number</b>     | RCP670H-UMUF-L               |
| <b>Product Type</b>       | Armored Test Cable Assembly  |
| <b>Cable</b>              | RCT400/RCP670                |
| <b>Connector</b>          | 2.4mm Male to 2.4mm Female   |
| <b>Connector Body</b>     | Passivated stainless steel   |
| <b>Center Contact</b>     | Gold plated beryllium copper |
| <b>Bend Radius</b>        | 27.00mm                      |
| <b>Bend Radius (Rep.)</b> | 54.00mm                      |

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

### RCT400/RCP670 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 Braiding | 2.66   |
| 4.Interlayer       | LD-PTFE                            | 2.95   |
| 5.Outer Shield     | Silver-plated Copper Wire Braiding | 3.40   |
| 6.Jacket           | Yellow FEP                         | 3.80   |
| 7.Spring           | Stainless steel Tape               | 5.40   |
| 8.Braided Layer    | Tinned Wire                        | 5.80   |
| 9.Stable Layer     | PTFE                               | 6.10   |
| 10.Armor Jacket    | Purplish Black PTFE                | 6.70   |

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

| RFTOP P/N         | 3GHz    | 22GHz   | 40GHz   |
|-------------------|---------|---------|---------|
| RCP670H-UMUF-600  | 1.00 dB | 1.71 dB | 2.15 dB |
| RCP670H-UMUF-1M   | 1.27 dB | 2.45 dB | 3.18 dB |
| RCP670H-UMUF-1.5M | 1.61 dB | 3.38 dB | 4.46 dB |
| RCP670H-UMUF-2M   | 1.94 dB | 4.31 dB | 5.75 dB |