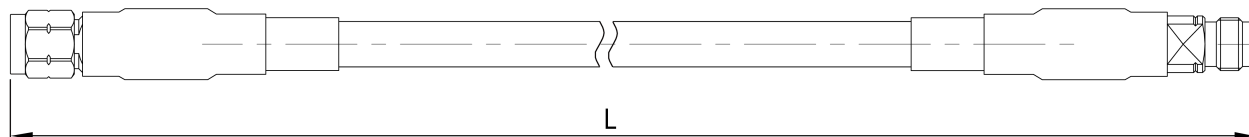


## Armored Test Cable Assembly, RCP600H-UMUF-L 2.4mm Male to 2.4mm Female, DC-50GHz, ø6mm

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



### Electrical & Environmental

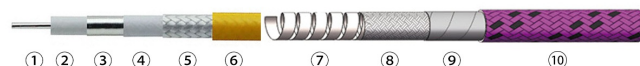
|                 |                    |
|-----------------|--------------------|
| Frequency Range | DC-50GHz, 50 Ohms  |
| Avg Power@25°C  | 47.6W @50GHz       |
| I L@1M          | 4.19 dB Max @50GHz |
| VSWR            | 1.3 Max            |
| VOP             | 76%                |
| SE              | 90dB Min           |
| ATTEN-STAB      | $\pm 0.08$ dB Max  |
| Mech. Phase     | $\pm 6.7^\circ$    |
| OT              | -40~+150°C         |

### Product Information

|                    |                              |
|--------------------|------------------------------|
| Product Number     | RCP600H-UMUF-L               |
| Product Type       | Armored Test Cable Assembly  |
| Cable              | RCT360Z/RCP600               |
| Connector          | 2.4mm Male to 2.4mm Female   |
| Connector Body     | Passivated stainless steel   |
| Center Contact     | Gold plated beryllium copper |
| Bend Radius        | 24.00mm                      |
| Bend Radius (Rep.) | 48.00mm                      |

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

### RCT360Z/RCP600 Structure Characteristics



| Structure          | Material                           | ΦD(mm) |
|--------------------|------------------------------------|--------|
| 1.Center Conductor | Single-core Silver-plated Copper   | 0.72   |
| 2.Dielectric       | LD-PTFE                            | 2.10   |
| 3.Inner shield     | Silver-plated Copper Tape Braiding | 2.25   |
| 4.Interlayer       | LD-PTFE                            | 2.55   |
| 5.Outer Shield     | Silver-plated Copper Wire Braiding | 3.01   |
| 6.Jacket           | Yellow FEP                         | 3.60   |
| 7.Spring           | Stainless steel Tape               | 4.95   |
| 8.Braided Layer    | Tinned Wire                        | 5.20   |
| 9.Stable Layer     | PTFE                               | 5.50   |
| 10.Armor Jacket    | Purplish Black PTFE                | 6.00   |

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

| RFTOP P/N         | 3GHz    | 26GHz   | 50GHz   |
|-------------------|---------|---------|---------|
| RCP600H-UMUF-600  | 1.10 dB | 2.14 dB | 2.75 dB |
| RCP600H-UMUF-1M   | 1.44 dB | 3.17 dB | 4.19 dB |
| RCP600H-UMUF-1.5M | 1.86 dB | 4.46 dB | 5.99 dB |
| RCP600H-UMUF-2M   | 2.28 dB | 5.74 dB | 7.78 dB |