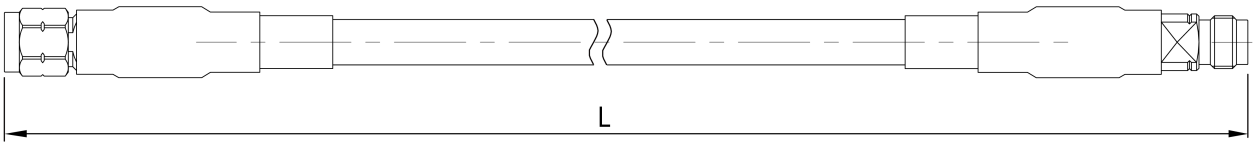
# Armored Test Cable Assembly, RCP600E-UMUF-L
# 2.4mm Male to 2.4mm Female, DC-50GHz, ø6mm

## Dimensions(mm) Tolerance±1%




## Electrical & Environmental

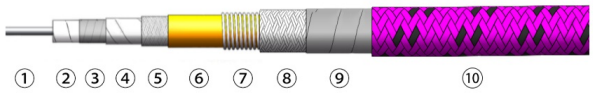
| | |
|---|---|
| **Frequency Range** | DC-50GHz, 50 Ohms |
| **Avg Power@25℃** | 47.6W @50GHz |
| **I L@1M** | 4.19 dB Max @50GHz |
| **VSWR** | 1.3 Max |
| **VOP** | 76% |
| **SE** | 90dB Min |
| **ATTEN-STAB** | ±0.08dB |
| **Mech. Phase** | ±6.7° |
| **OT** | -40~+150℃ |

## Product Information

| | |
|---|---|
| **Product Number** | RCP600E-UMUF-L |
| **Product Type** | Armored Test Cable Assembly |
| **Cable** | RCT360Z/RCP600E |
| **Connector** | 2.4mm Male to 2.4mm Female |
| **Connector Body** | Passivated stainless steel |
| **Center Contact** | Gold plated beryllium copper |
| **Bend Radius** | 30.00mm |
| **Bend Radius (Rep.)** | 60.00mm |

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

**RCT360Z/RCP600E 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 | 4.00 |
| 7.Spring | Silver-plated Copper | 5.00 |
| 8.Braided Layer | Tinned Wire | 5.30 |
| 9.Stable Layer | PTFE | 5.60 |
| 10.Armor Jacket | Purplish Black PTFE | 6.10 |

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

| RFTOP P/N | 3GHz | 26GHz | 50GHz |
|---|---|---|---|
| RCP600E-UMUF-600 | 1.10 dB | 2.14 dB | 2.75 dB |
| RCP600E-UMUF-1M | 1.44 dB | 3.17 dB | 4.19 dB |
| RCP600E-UMUF-1.5M | 1.86 dB | 4.46 dB | 5.99 dB |
| RCP600E-UMUF-2M | 2.28 dB | 5.74 dB | 7.78 dB |