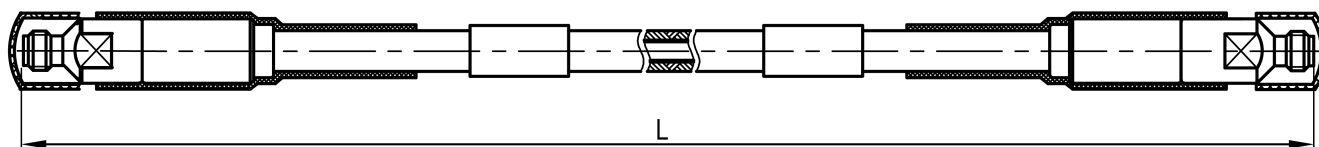




## Armored Test Cable Assembly, RCP400B-WFWF-L 1.0mm Female to 1.0mm Female, DC-110GHz, Ø4mm

Dimensions(mm) Tolerance $\pm$ 1%



### Electrical & Environmental

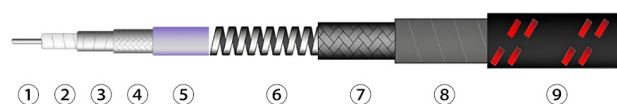
|                         |                       |
|-------------------------|-----------------------|
| Frequency Range         | DC-110GHz, 50 Ohms    |
| Avg Power@25°C          | 3W @110GHz, 13W @6GHz |
| Insertion Loss@1M       | 15.2 dB Max @110GHz   |
| VSWR                    | 1.5 Max               |
| Velocity of Propagation | 80%                   |
| Shielding Effectiveness | 90dB Min              |
| Withstand Voltage       | 200V@DC               |
| OT                      | -55~+165°C            |

### Product Information

|                        |                              |
|------------------------|------------------------------|
| Product Number         | RCP400B-WFWF-L               |
| Product Type           | Armored Test Cable Assembly  |
| Cable                  | RCA146/RCP400B               |
| Connector              | 1.0mm Female to 1.0mm Female |
| Connector Body         | Passivated stainless steel   |
| Center Contact         | Gold plated beryllium copper |
| Bend Radius            | 7.00mm                       |
| Bend Radius (Repeated) | 15.00mm                      |

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

### RCA146/RCP400B Structure Characteristics



| Structure          | Material                           | ΦD(mm) |
|--------------------|------------------------------------|--------|
| 1.Center Conductor | Silver-plated Copper Covered Steel | 0.29   |
| 2.Dielectric       | LD-PTFE                            | 0.84   |
| 3.Inner shield     | Silver-plated Copper Tape Wrapping | 1.00   |
| 4.Outer Shield     | Silver-plated Copper Wire Braiding | 1.24   |
| 5.Jacket           | Light Purple FEP                   | 1.46   |
| 6.Spring           | Stainless steel Tape               | 2.80   |
| 7.Braided Layer    | Silver-plated Copper Wire Braiding | 3.10   |
| 8.Stable Layer     | PTFE                               | 3.30   |
| 9.Armor Jacket     | Blackish Red PTFE                  | 4.00   |

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

| RFTOP P/N        | 3GHz    | 56GHz    | 110GHz  |
|------------------|---------|----------|---------|
| RCP400B-WFWF-300 | 1.77 dB | 4.09 dB  | 5.33 dB |
| RCP400B-WFWF-500 | 2.22 dB | 6.09 dB  | 8.15 dB |
| RCP400B-WFWF-600 | 2.44 dB | 7.08 dB  | 9.56 dB |
| RCP400B-WFWF-1M  | 3.34 dB | 11.07 dB | 15.2 dB |