

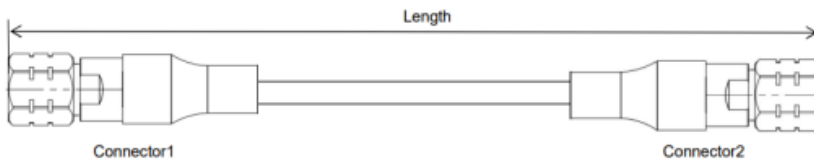
# SRFS TELEINFRA

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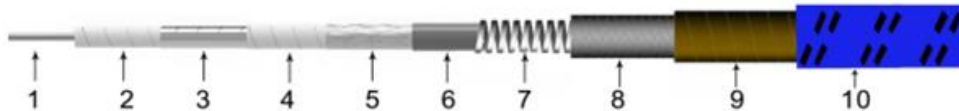
DC-67 GHz, 1.85mm Male to 1.85mm Male

Armored Bench Test Cable Assembly, Using SRFS230P



| Configuration  |                            |                |                            |
|----------------|----------------------------|----------------|----------------------------|
| Connector1     | 1.85mm male                | Connector 2    | 1.85mm male                |
| Body           | Passivated stainless steel | Body           | Passivated stainless steel |
| Center Contact | Gold plated BeCu           | Center Contact | Gold plated BeCu           |
| Cable Type     | SRFS230P                   |                |                            |

## Cable and Armor Construction



| No. | Construction           | Size | Material                        |
|-----|------------------------|------|---------------------------------|
| 1   | Center Conductor       | 0.51 | Solid silver-plated copper      |
| 2   | Dielectric             | 1.60 | Low-density PTFE                |
| 3   | Outer Conductor        | 1.70 | Silver-plated copper tape wraps |
| 4   | Interlayer             | 2.00 | Low density PTFE                |
| 5   | Outer Shield           | 2.25 | Silver-plated copper wire braid |
| 6   | Inner Jacket           | 2.60 | FEP                             |
| 7   | Crush Resistance Layer | 4.80 | Stainless steel spirals         |
| 8   | Strengthening Layer    | 5.35 | Silver plated copper braid      |
| 9   | Waterproof Layer       | 5.40 | PTFE Binder                     |
| 10  | Armor Jacket           | 6.40 | Braiding PTFE                   |

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## DC-67 GHz, 1.85mm Male to 1.85mm Male

### Armored Bench Test Cable Assembly, Using SRFS230P

| Electrical & Mechanical Specifications |              |
|--|--------------|
| Frequency                              | DC-67 GHz    |
| Impedance                              | 50 Ω Min.    |
| Min. Bending Radius Static             | 32mm         |
| Bending Radius Repeated                | 64mm         |
| VSWR                                   | Max 1.4      |
| Velocity of Propagation                | 74%          |
| IL Max (1 meter assembly)              | 7.1dB        |
| Flex Life Min                          | 20000 cycles |
| *Mechanical Phase Stability            | <±7°         |
| Amplitude Stability vs Shaking         | <±0.15dB     |
| Temperature (Operation)                | -50~85 °C    |
| Temperature (Storage)                  | -60~85 °C    |

| Attenuation at any frequency |       |       |       |       |       |       |       |       |       |       |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency MHz                | 1000  | 2000  | 4000  | 6000  | 8000  | 10000 | 12000 | 18000 | 26500 | 40000 |
| dB/100                       | 63.1  | 90.1  | 129.1 | 159.7 | 186.0 | 209.5 | 231.0 | 287.7 | 355.9 | 448.0 |
| Avg. Power kW                | 0.271 | 0.190 | 0.132 | 0.107 | 0.092 | 0.082 | 0.074 | 0.059 | 0.048 | 0.038 |

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