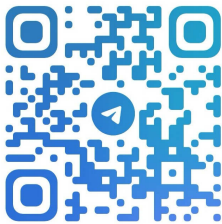


MODEL: LT-SF-FEP

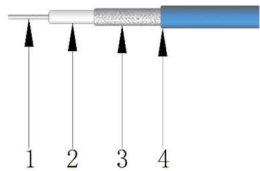
Hand formable (RG402) 50Ohm, 33GHz,  
165°C, ø3.58mm with jacket

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- 1–Center Conductor——SPC(Silver Plated Copper)
- 2–Dielectric——PTFE
- 3–Outer Conductor——Knit+Wicking
- 4–Jacket——FEP (Optional)

Structure parameter

| Construction Specification |                                                           |              |
|----------------------------|-----------------------------------------------------------|--------------|
| Item                       | Material                                                  | Diameter(mm) |
| 1. Inner conductor         | Silver plated copper                                      | 0.925±0.01   |
| 2. Dielectric              | PTFE                                                      | 2.95±0.05    |
| 3. Outer Conductor         | Tin Overcoated Copper Wire Braiding                       | 3.50±0.10    |
| 4. Jacket                  | LSZH/Low-smoke, halogen-free, flame-retardant polyolefin. | 4.50±0.10    |

Electrical data

| Electrical Characteristics            |          |
|---------------------------------------|----------|
| Items                                 | Data     |
| Capacitance (pF/m)                    | 98       |
| Impedance (ohm)                       | 50±2     |
| Velocity (%) (200MHz)                 | 70.8     |
| Max.operating frequency (GHz)         | 34       |
| Time delay (ns/m)                     | 4.7      |
| Voltage with stand AC (KVrms)         | 3 (1min) |
| Insulation resistance nominal (MΩ·km) | 5000     |
| Shielding Effect (up to 33 GHZ)       | 100dB    |

**\*Note: According to the national military standard testing method, the rate test is conducted at a frequency of 200 MHz.**

## Mechanical data

| Mechanical and Environmental Characteristics |        |
|----------------------------------------------|--------|
| Items                                        | Data   |
| Min. bending radius static (mm)              | 8      |
| RoHS                                         | OK     |
| Operating temp.(°C)                          | -20~90 |
| Weight (kg/km)                               | 45.5   |

## Attenuation and Power

| Attenuation @ 20°C and Sea Level, Power |                   |                  |
|-----------------------------------------|-------------------|------------------|
| Frequency (GHz)                         | Attenuation(dB/m) | Power (Watts CW) |
| 0.5                                     | 0.27              | 645              |
| 1                                       | 0.41              | 425              |
| 2                                       | 0.62              | 281              |
| 3                                       | 0.78              | 229              |
| 5                                       | 1.05              | 165              |
| 10                                      | 1.58              | 110              |
| 18                                      | 2.22              | 78               |
| 20                                      | 2.38              | 72               |
| 25                                      | 2.78              | 62               |
| 33                                      | 3.36              | 51               |

