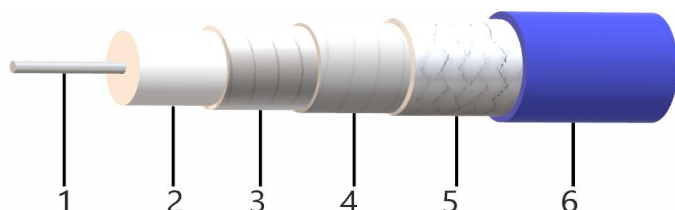




## GPE26 Series offers High-performance flexible cable assemblies

**Model Number:** GPE26-SMAM/F-SMAM/F-L in Meters or Inches

### Schematic diagram of the structure



### Construction Specification

|   | Description      | Size (mm) | Tol(mm)    | Materials                 |
|---|------------------|-----------|------------|---------------------------|
| 1 | Center conductor | 0.91      | $\pm 0.02$ | Silver Plated Copper      |
| 2 | Dielectric       | 2.98      | $\pm 0.05$ | Solid PTFE                |
| 3 | Outer conductor  | 3.18      | $\pm 0.05$ | Silver Plated Copper Foil |
| 4 | Inner Tape       | 3.20      | $\pm 0.05$ | PET                       |
| 5 | Outer shield     | 3.55      | $\pm 0.08$ | Silver Plated Copper      |
| 6 | Jacket           | 4.00      | $\pm 0.10$ | Blue FEP                  |

### Mechanical&Environmental Specifications

|                                   |          |
|-----------------------------------|----------|
| Bend Radius:installation (mm)     | 20.00    |
| Bend Radius:repeated (mm)         | 40.00    |
| Weight (Kg/m)                     | 0.044    |
| Temp. Operating&Installation (°C) | -55~+125 |

### Electrical Specifications

|                              |      |                            |               |
|------------------------------|------|----------------------------|---------------|
| Operation Frequency (GHz)    | 26.5 | Mechanical phase (26.5GHz) | $\pm 8^\circ$ |
| Cutoff frequency(GHz)        | 26   | Mechanical Range (dB)      | $\pm 0.10$    |
| Impedance (Ohms)             | 50   | VSWR (26.5GHz)             | $< 1.35 @ 1M$ |
| Velocity of Propagation      | 70%  | Typical Loss @ 48 inches   | 3.9 dB        |
| Shielding Effectiveness (dB) | 90   | Typical Loss @ 72 inches   | 5.65 dB       |
| Voltage Withstand (V,DC)     | 1000 |                            |               |

### Features&Benefits

- ★ Low passive intermodulation (PIM)
- ★ Low standing wave
- ★ Compatible with multiple connectors
- ★ Excellent shielding
- ★ Very high cost-effective
- ★ Jumper Box
- ★ Radio system
- ★ Communication base station
- ★ Instruments
- ★ PIM cable