# RFSI260

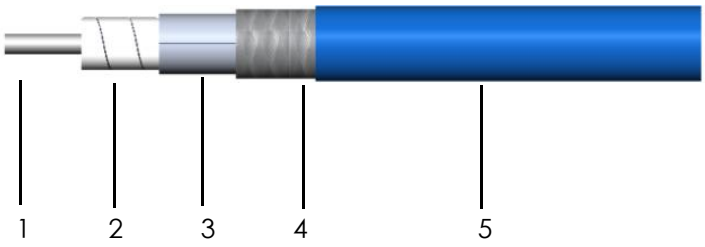
**High Strength Bending Resistant Cable**

**Ver** A1 Release Date Match, 2018

P/N: 18026

## Features&Benefits

- 74%Vp PTFE Tape+AL Foil+Steel Wire shield
- Low Loss
- Excellent Cost Effectiveness
- Excellent Pulling Strength




## Construction Specification

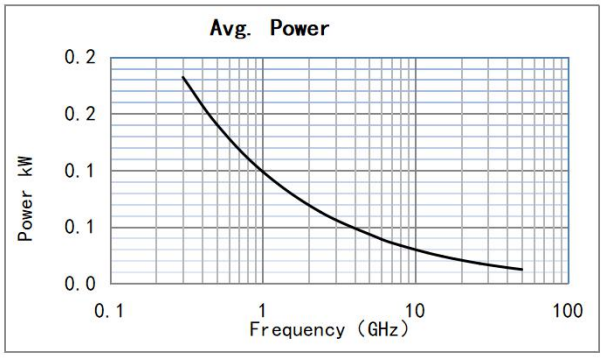
| | Description | Size（mm） | Tol. | Materials |
|---|---|---|---|---|
| 1 | Center conductor | 0.56 | ±0.01 | Silver Plated Copper |
| 2 | Dielectric | 1.64 | ±0.05 | LD PTFE |
| 3 | Outer conductor | 1.80 | ±0.08 | Silver Plated Copper Flat |
| 4 | Innerlayer | 1.90 | ±0.08 | High Temperature Aluminium Foil |
| 5 | Outer sheild | 2.15 | ±0.08 | Stainless Steel Wire |
| 6 | Jacket | 2.58 | ±0.10 | FEP Blue or Customized |

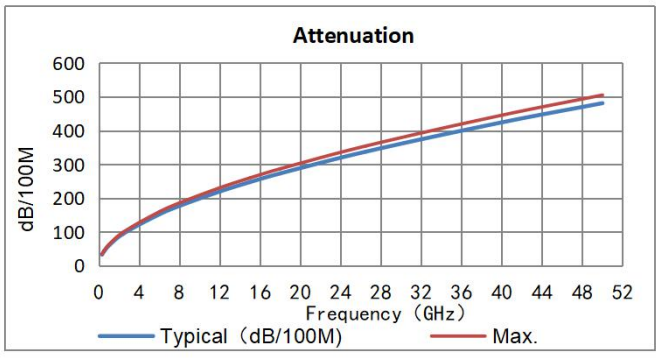
## Mechanical&Environmental Specifications

| | |
|---|---|
| Bend Radious:installation (mm) | 10.5 |
| Bend Radious:repeated (mm) | 26 |
| Weight (g/m) | 17 |
| Temp, Operating&Installation (ºC) | -55～165 |
| Cuttoff Frequency(GHz) | 60 |

## Electrical Specifications

| | |
|---|---|
| Operation Frequency (GHz) | 50 |
| Impedance (Ohms) | 50 |
| Velocity of Propagation(%) | 74 |
| Sheilding Effectiveness (dB) | ≥90 |
| Voltage Withstand (V,DC) | 1000 |




## Attenuation（Typical@25ºC&VSWR=1.0）&Power（VSWR=1.0;40ºC;Sea Level）

| Frequency MHz | 300 | 500 | 1000 | 2400 | 6000 | 8000 | 12000 | 15000 | 18000 | 26500 | 40000 | 50000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| dB/100 m | 32.6 | 42.3 | 60.2 | 94.3 | 152.0 | 176.9 | 219.5 | 247.5 | 273.1 | 337.4 | 424.1 | 480.9 |
| Avg.Power kW | 0.182 | 0.140 | 0.099 | 0.063 | 0.039 | 0.034 | 0.027 | 0.024 | 0.022 | 0.018 | 0.014 | 0.012 |

K1= 1.8627000 K2= 0.0012880

Calculate Attenuation＝ K1* √FMhz+K2*FMHz Maximum attenuation is 10% higher.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