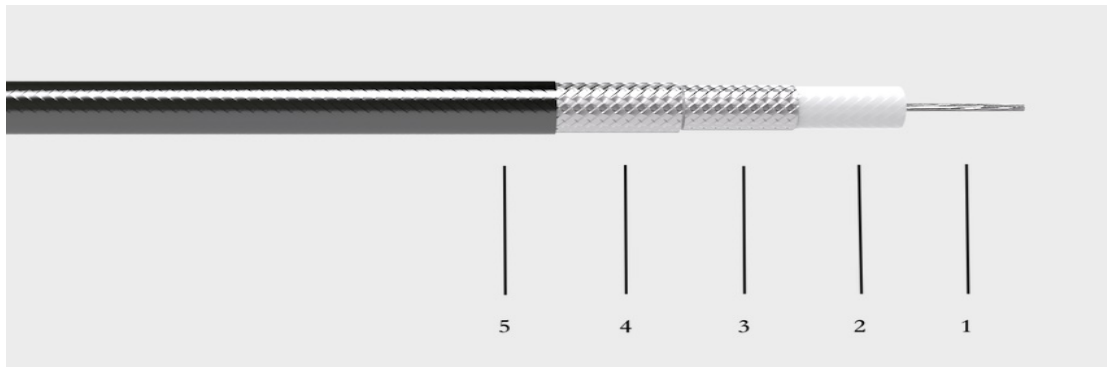


LKF280 Flexible Low Loss Cable

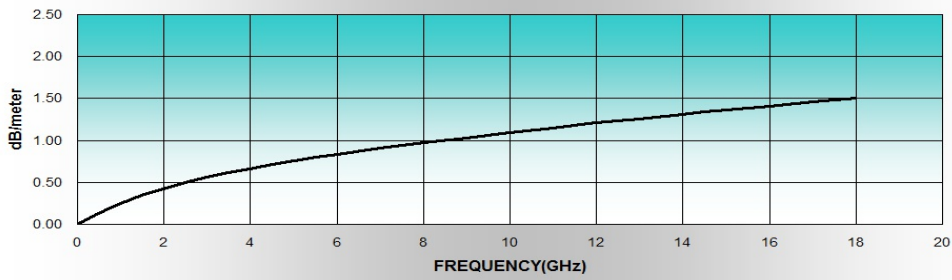


| Electrical Characteristic | |
|---|------------|
| Frequency Range (GHz) | 20 |
| Impedance Nominal (Ω) | 50 |
| Velocity of Propagation(%) | 80 |
| Shielding Attenuation (dB @ 1 GHz) | >90 |
| Capacitance pf/ft (meter) | 26.5(87) |
| Delay ns/ft (ns/meter) | 1.27(4.16) |
| Attenuation dB/ft (meter) | |
| 1GHz | 0.10(0.34) |
| 3GHz | 0.16(0.52) |
| 6GHz | 0.23(0.77) |
| 10 GHz | 0.32(1.05) |
| 15GHz | 0.41(1.34) |
| 18GHz | 0.46(1.50) |
| Loss of Assembly=Loss of Cable+0.06*SQRT(Frequency GHz) | |

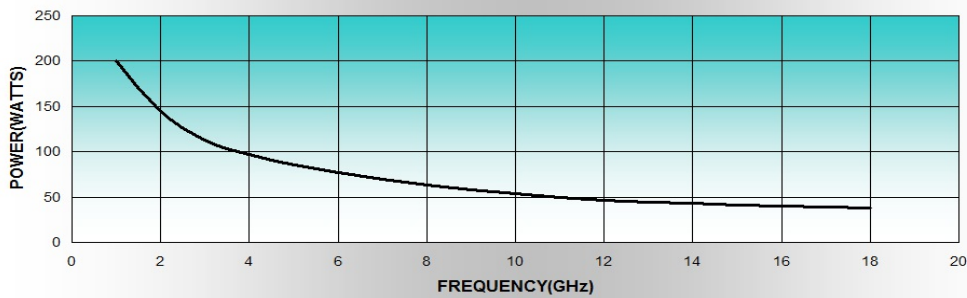
| Mechanical Characteristic | |
|-------------------------------|----------|
| Weight (kg/100m) | 9.8 |
| Temperature Range (°C) | -55~85 |
| Minimum Bend Radius inch (mm) | 1.46(37) |

| Construction | | |
|------------------------|------|--------------------------------------|
| 1.Inner Conductor (mm) | 1.83 | Silver-Plated Copper Wire Stranded |
| 2.Insulation | | Low Density PTFE |
| 3.First Outer Shield | | Silver-Plated Copper Flat Wire Braid |
| 4.Second Outer Shield | | Silver-Plated Copper Flat Wire Braid |
| 5.Jacket (mm O.D.) | 7.1 | PU Jacket |

MAX. INSERTION LOSS



POWER HANDLING VS FREQUENCY



| Standard Connector | | | | |
|--------------------|--------|-------------|-----------------|--------------------|
| Connector Model | Gender | Type | Shell Material | Frequency Max(GHz) |
| SMA-M | Male | Straight | Stainless Steel | 18 |
| SMA-F | Female | Straight | Stainless Steel | 18 |
| SMA-RA | Male | Right Angle | Stainless Steel | 18 |
| N-M | Male | Straight | Stainless Steel | 18 |
| N-F | Female | Straight | Stainless Steel | 18 |
| N-RA | Male | Right Angle | Stainless Steel | 18 |
| TNC-M | Male | Straight | Stainless Steel | 18 |
| TNC-F | Female | Straight | Stainless Steel | 18 |

| Other Material | |
|----------------|---|
| Material Code | |
| P S | Polyolefin shrink tube cover |
| E P | Extruded PVC cover |
| L S | Layered adhesive lined polyolefin shrink tube |
| RoHS | RoHS compliant cable assembly (per EU directive 2011-65-EU) |