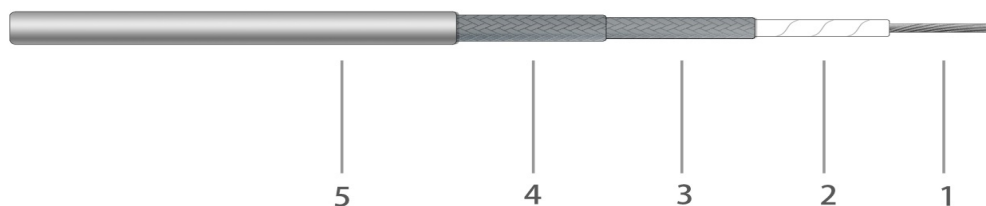


## LKF280 Flexible Low Loss Cable

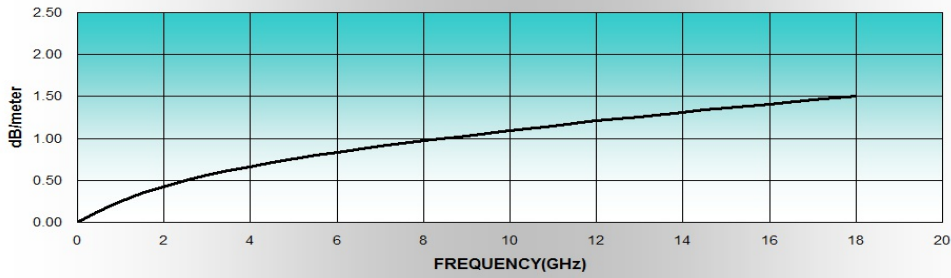


Electrical Characteristic	
Frequency Range (GHz)	20
Impedance Nominal (Ω)	50
Velocity of Propagation(%)	80
Shielding Attenuation (dB @ 1 GHz)	>90
Capacitance pf/ft (meter)	26.5(87)
Delay ns/ft (ns/meter)	1.27(4.16)
Attenuation dB/ft (meter)	
1GHz	0.10(0.34)
3GHz	0.16(0.52)
6GHz	0.23(0.77)
10 GHz	0.32(1.05)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

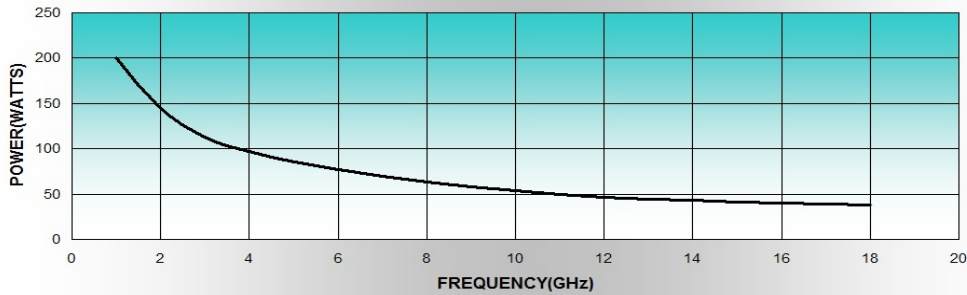
Mechanical Characteristic	
Weight (kg/100m)	9.8
Temperature Range (°C)	-55~85
Minimum Bend Radius inch (mm)	1.46(37)

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)