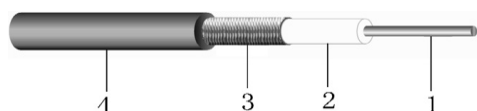


Ultra-Low Loss Coaxial RF Cable

Ultra Low Loss is a 50 Ω coaxial cable designed for reliable RF signal transmission with enhanced shielding effectiveness against interference operated upto 34GHz. It features a silver-coated copper conductor, solid polyethylene dielectric, high-coverage shielding, and a durable Red FEP jacket.



Part No: TE-RFC-SFJ141-402-D4.60

Cable Structure			
	Layer	Material	Diameter
1	Inner Conductor	SCC	0.92 mm $\pm$ 0.02
2	Insulation (Dielectric)	PTFE	2.98 mm $\pm$ 0.03
3	Outer Conductor	Copper Tube	3.58 mm $\pm$ 0.03
4	Jacket	Red FEP	4.60 mm $\pm$ 0.08

Physical Characteristics

Cable Outer Dia.	4.60 mm	0.181 inch		
Weight	52 g/m		Durability	> 5000
Bending Radius (Installation)	12.5 mm		Working Temp.	-55°C ~ +165 °C
Inner conductor DCR	67.6 mm		Armor Stress Tolerance	160N/25mm

Electrical Characteristics

Impedance	50 ohms	Cut-off Frequency	34 GHz	Max Operating Voltage (RMS)	1900
Velocity of Propagation	69.5%	Shielding Effectiveness	> 90 dB	Bending Phase	$\pm$ 5°@26.5GHz
Vrms	5000 V	Capacitance (pF/m)	95.1	Outer Conductor Integrity Temp.(°C)	175

Frequency (MHz)	Attenuation (dB/m)	Power Handling (Avg. W)
500	0.26	600
1000	0.37	417
3000	0.72	231
5000	0.91	174
10000	1.36	117
20000	2.10	78

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