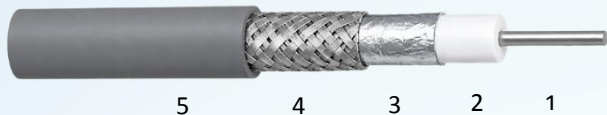


Ultra Low Loss Phase Stable Cable

Ultra low loss phase stable cable is a 3.6mm high-performance, 50-ohm flexible microwave coaxial cable engineered for ultra-low signal loss and high phase stability up to 40 GHz, making it ideal for test and measurement equipment, phased-array radars, satellite communications, and 5G wireless infrastructure.



PART No: TE-RFC-ULLPS-D3.60

Cable Structure			
S No.	Layer	Material	Diameter
1.	Inner Conductor	Silver Plated Copper	0.91 mm
2.	Dielectric	LD PTFE	2.50 mm
3.	Outer Conductor(1)	Silver Plated Copper Foil	2.70 mm
4.	Outer Conductor(2)	Silver Plated Copper	3.16 mm
5.	Jacket	FEP (Grey)	3.60 mm

Physical Characteristics			
Weight (g/m)	33	Working Temp.	-55°C to +165°C
Min. Bending Radius	12mm (static)	Storage Temp.	-65°C to +90°C
Min. Bending Radius	25mm (dynamic)	Tensile Strength (kg)	N/A

Electrical Characteristics			
Impedance	50 ohms	Cut-Off Frequency	40GHz
Velocity	82%	Bending phase	±8°@40GHz
Shielding Effectiveness	> 90dB	Temp. phase	600PPM
V _{max}	900V	Mech. phase	±0.15@40GHz

Frequency (GHz)	0.3	1.0	2.0	4.0	6.0	8.0	10	12	14	18	26.5	40
Attenuation dB/100m	20.4	37.5	53.4	76.1	93.8	108.9	122.3	134.6	146.0	166.7	204.8	255.7
Power Handling (kW)	1.61	0.87	0.61	0.43	0.35	0.30	0.27	0.24	0.23	0.20	0.16	0.13

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