

# EN-100 Low Loss Cable 500m Spool

## EN-100

### EN-100, 500 meter Spool.

EN-100 coaxial cable is designed for a wide variety of applications requiring low loss RF cable, including outdoor antenna installations and jumper cable assemblies used in wireless communications.



It is constructed with a UV resistant polyethylene jacket for outdoor use.

This cable is also designed for easy installation with maximum flexibility and bendability and is compatible with a wide variety of connectors.

Enhanced for usage from **2GHz up to 6GHz**.

Electrical Specifications :	
Cutoff Frequency	63 GHz
Velocity of Propagation	80%
Impedance	50 ohms
Capacitance	25.4 pF/ft (83.3 pF/m)
DC Resistance Inner Conductor	21.4 ohms/1000ft (70.2 ohms/km)
DC Resistance Outer Conductor	14.5 ohms/1000ft (47.5 ohms/km)
Peak Power	0.6 kW
Jack Spark	2000 Volts RMS
Cable Construction:	
Inner Conductor	Solid Bare Copper 0.46 mm
DielectricFoam	Foam Polyethylene 1.52 mm
Outer Conductor	Aluminum Tape 1.65 mm
Braid	Tinned Copper. 2.11mm
Jacket	Black PVC/PE. 2.79mm
Mechanical and Environmental Specifications:	
Minimum Bend Radius	6.25mm
Tensile Strength	15 lb (6.8 kg)
Cable Weight	0.18kg/m
Operating Temperature Range	-40°C to +85°C

Attenuation:										
Frequency (Mhz)	30	50	150	220	450	900	1500	2000	2500	5800
Attenuation dB/100ft	3.9	5.1	8.9	10.9	15.8	22.8	30.0	35.0	39.8	64.1
Power kW	0.23	0.18	0.10	0.083	0.057	0.039	0.029	0.025	0.022	0.013

