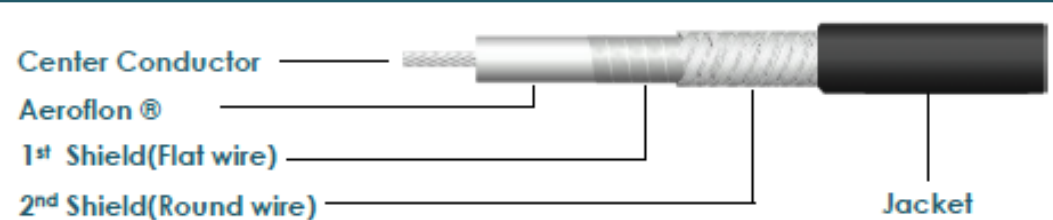


# 9S40 (DC ~ 40GHz)

## Construction



Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded] Φ 19 / 0.18 [mm] Φ 19 / 0.0070 [inch]
2	Dielectric	Aeroflon ® [Extruded]
3	1 <sup>st</sup> / 2 <sup>nd</sup> Shield	Silver Plated Copper
4	Jacket	Ruggedized Aramid Yarn Φ 5.00 ± 0.1 [mm] Φ 0.188 ± 0.003 [inch]

## Electrical & Mechanical specification

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 40GHz
Temperature	-50 °C ~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	44.4
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	12° max. @40GHz
Loss Stability vs. Flexure	Δ 0.1dB to 40GHz
Available Connector	2P4 / 2P92

Connector 1	2P4MST
Connector 2	2P4MST
Insertion Loss Typ. (@ Max Freq.)	2.80 dB/m
Insertion Loss Guarantee (@ Max Freq.)	3.06 dB/m

Microwave Cable

DC ~ 40GHz phase stable cable