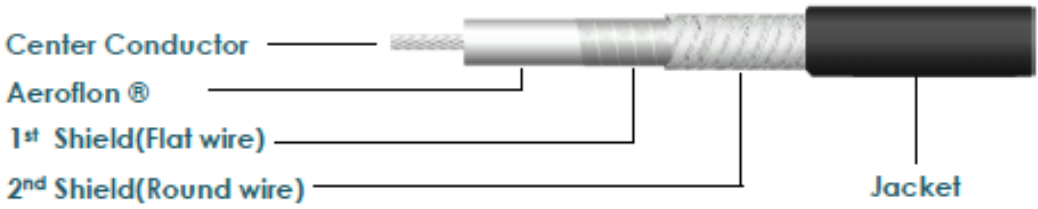


# 13S26 (DC ~ 18GHz)

## Construction



Center Conductor  
Aeroflon ®  
1<sup>st</sup> Shield (Flat wire)  
2<sup>nd</sup> Shield (Round wire)  
Jacket

Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded] Φ 19 / 0.287 [mm] Φ 19 / 0.0113 [inch]
2	Dielectric	Aeroflon ® [Extruded]
3	1 <sup>st</sup> / 2 <sup>nd</sup> Shield	Silver Plated Copper
4	Jacket	High Temperature Resin Φ 6.20 ± 0.1 [mm] Φ 0.244 ± 0.003 [inch]

## Electrical & Mechanical specification

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 18 GHz
Temperature	-50 °C ~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	73.4
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	6° max. @18GHz
Loss Stability vs. Flexure	Δ 0.1dB to 18GHz
Available Connector	SMA / N

Connector 1	SMAFST
Connector 2	SMAFST
Insertion Loss Typ. (@ Max Freq.)	1.45 dB/m
Insertion Loss Guarantee (@ Max Freq.)	1.58 dB/m

Microwave Cable

DC ~ 18GHz phase stable cable