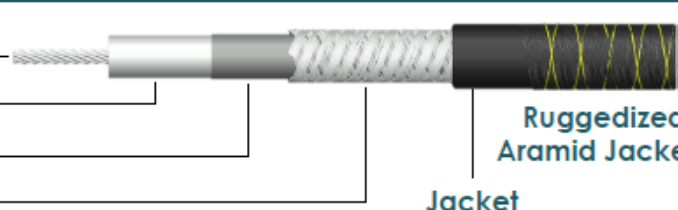


# 11A8G (DC ~ 8GHz)

## Construction



Part	Material	Diameter	
1	Center Conductor	Silver Plated Copper [Stranded]	$\Phi$ 19 / 0.225 [mm] $\Phi$ 19 / 0.0088 [inch]
2	Dielectric	Aeroflon® [Extruded]	
3	1 <sup>st</sup> / 2 <sup>nd</sup> Shield	Mylar tape & Copper wire	
4	Jacket	Ruggedized Aramid Yarn	$\Phi$ 5.70 $\pm$ 0.1 [mm] $\Phi$ 0.228 $\pm$ 0.003 [inch]

## Electrical & Mechanical specification

Characteristic Impedance	50 $\pm$ 1 $\Omega$
Operating Frequency	DC to 8 GHz
Temperature	-50 $^{\circ}$ C ~ +135 $^{\circ}$ C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	53.3
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	2 $^{\circ}$ max. @18GHz
Loss Stability vs. Flexure	$\Delta$ 0.05dB to 8GHz
Available Connector	SMA / N

Connector 1	SMAMST
Connector 2	SMAMST
Insertion Loss Typ. (@ Max Freq.)	1.27 dB/m
Insertion Loss Guarantee (@ Max Freq.)	1.38 dB/m

Microwave Cable

DC ~ 8GHz phase stable cable