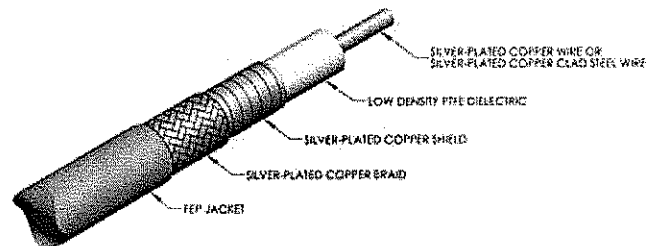


UTIFLEX LOW LOSS

UFA210A

UTIFLEX Low Loss products provide a complete high performance flexible microwave cable assembly family. These cables have outstanding mechanical integrity without sacrificing insertion loss, phase stability, or SWR.



MATERIALS

LOW LOSS

Cable Part Number		UFA210A
Center Conductor Material		SPC
Dielectric Material		LD PTFE
Inner Shield Material		SPC
Outer Shield Material		SPC
Jacket Material		FEP

MECHANICAL CHARACTERISTICS*

Outer Diameter	In	0.210
	mm	5.33
Center Conductor Type		Solid
Weight	g / ft	22
	g / m	72.2
Minimum Bend Radius	In	0.38
	mm	9.65

ENVIRONMENTAL CHARACTERISTICS

Temperature Range (Deg C)		-65/+165
Radiation (Mrads)		30.0

ELECTRICAL CHARACTERISTICS*

Impedance (ohms)		50
Frequency Range (GHz)		DC-26.5
Velocity of Propagation		77%
Capacitance	pF / ft	26.2
	pF / m	86.0
Shielding Effectiveness (dB @ 1 GHz)		>100
Maximum Insertion Loss (dB / ft)	1 GHz	0.08
	10 GHz	0.27
	18 GHz	0.38
	26.5 GHz	0.48
	40 GHz	N/A
	50 GHz	N/A
Maximum Insertion Loss (dB / m)	1 GHz	0.26
	10 GHz	0.89
	18 GHz	1.25
	26.5 GHz	1.57
	40 GHz	N/A
	50 GHz	N/A
Phase Stability vs. Flexure (10 GHz)	Degrees	4.0
Phase Stability vs. Flexure (18 GHz)	Degrees	7.0

* Applicable at room temperature. Contact factory for performance over temperature range.

MICRO-COAX
PROVEN RELIABLE

office 610.495.0110 fax 610.495.6656 email sales@micro-coax.com
address 206 Jones Blvd, Pottstown, PA 19464 website micro-coax.com