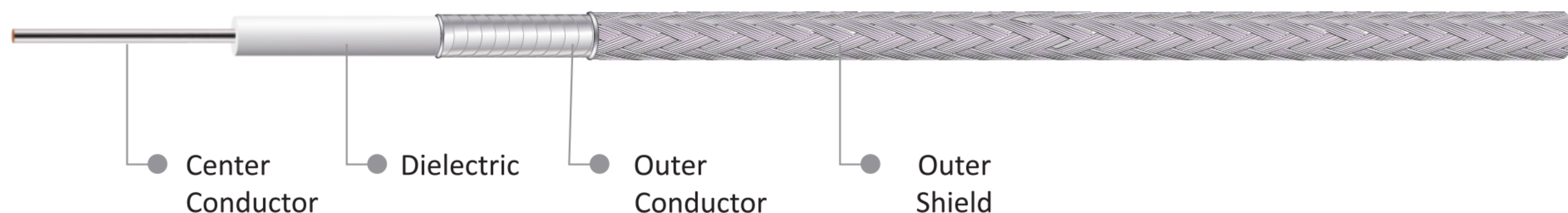


U-Form-Flex Coaxial Cable

UFF141



Construction

Items	Material & Finish		Out Diameter (mm/inch)		Remark
Center Conductor	SPCW	Silver Plated Copper Clad Steel Wire	0.94 mm	0.037 inch	Soild
Dielectric	PTFE	PTFE	2.98	0.117	
Outer Conductor	SPC	Sliver-Plated Copper	3.20	0.126	Wrap Tape
Outer Shield	TPC	Tin-Plated Copper	3.60	0.142	Braid

Electrical & Mechanical Specifications

Contents	Units	Typ.
Characteristic Impedance	Ω	50
Operating Frequency	GHz	DC to 18
Velocity of Propagation	%	70
Signal Delay	ns/m	4.7
Capacitance	pF/m	95
Operating Temperature	$^{\circ}\text{C}$	-55 ~ +165
Shield Effectiveness	dB	> 90 (up to 18 GHz)
Working Voltage	Vrms	1900
Min. Bending Radius (Static)	mm	10

Performance by Frequency

Frequency (GHz)		Max. Attenuation		CW POWER (Watts)
		(m)	(ft)	
F1	500 MHz	0.28	0.092	528
F2	800 MHz	0.36	0.118	417
F3	1 GHz	0.43	0.141	373
F4	3 GHz	0.75	0.246	215
F5	6 GHz	1.08	0.354	152
F6	8 GHz	1.28	0.420	132
F7	10 GHz	1.48	0.486	103
F8	15 GHz	1.87	0.614	96
F9	18 GHz	2.09	0.686	88

UFF-141 Assemblies

- Reformable replacement for any technology 141 size in-box RF jumper
- Patented SMA plug:
 - Eliminates exposed solder joints
 - Captivates dielectric to eliminate protrusion when bending
 - Allows for tight bends behind the connector without cracking

