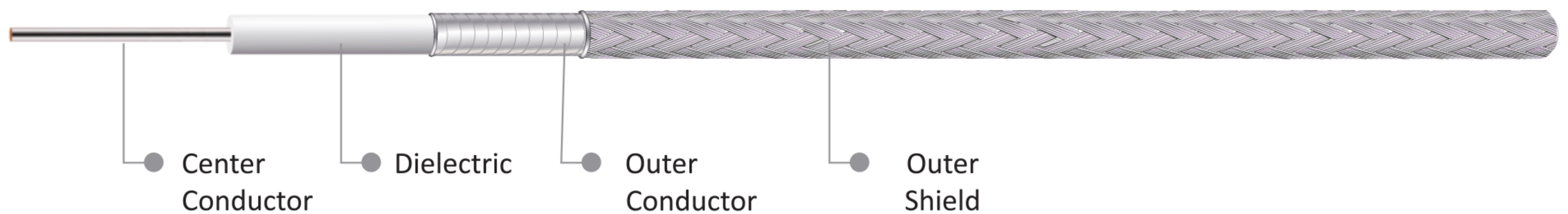


U-Form-Flex Coaxial Cable

UFF086



Construction

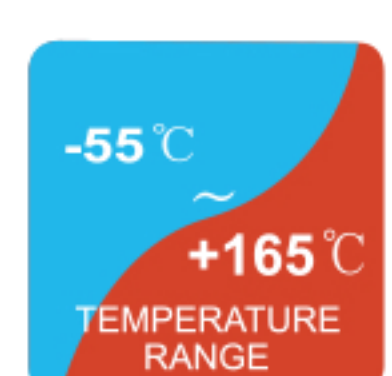
Items	Material & Finish		Out Diameter (mm/inch)		Remark
Center Conductor	SPCW	Silver Plated Copper Clad Steel Wire	0.51 mm	0.020 inch	Soild
Dielectric	PTFE	PTFE	1.63	0.064	
Outer Conductor	SPC	Sliver-Plated Copper	1.80	0.071	Wrap Tape
Outer Shield	TPC	Tin-Plated Copper	2.30	0.090	Braid

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	1500
Min. Bending Radius (Static)	mm	6

Performance by Frequency

Frequency (GHz)		Max. Attenuation		CW POWER (Watts)
		(m)	(ft)	
F1	500 MHz	0.55	0.180	198
F2	800 MHz	0.70	0.230	157
F3	1 GHz	0.75	0.246	140
F4	3 GHz	1.28	0.420	81
F5	6 GHz	2.03	0.666	57
F6	8 GHz	2.34	0.768	49
F7	10 GHz	2.62	0.860	44
F8	15 GHz	3.37	1.106	37
F9	18 GHz	3.61	1.184	32



UFF-086 Assemblies

- Reformable **replacement** for any technology 086 size in-box RF jumper
- SMA plug:
 - Eliminates exposed solder joints
 - Captivates dielectric to eliminate protrusion when bending
 - Allows for tight bends behind the connector without cracking

