



SUCOFORM 86 FEP

- The high Performance of attenuation allows co-axial cable to be used in different RF systems , such as 3G, 4G Mobile Communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations wireless cellular, and others
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference

Construction		Diameter
Centre Conductor	Steel, Copper Silver plated	0.53 mm
Dielectric	PTFE (Polytetrafluoroethylene)	1.65 mm
Outer conductor	Copper, Tin plated	2.1 mm
Jacket	FEP (Fluorinated ethylene propylene)	2.5 mm +/- 0.1

Electrical Characteristics	
Impedance	50 Ω +/- 2
Operating Frequency	40 GHz
Nominal Capacitance	95 pF/m
Velocity of signal propagation	71 %
Insulation Resistance	$\geq 1 \times 10$ power 8 M Ω m
Signal delay	4.7 ns/m
Min. screening effectiveness	≥ 100 dB (up to 18 GHz)
Max. operating voltage	≤ 1.5 kVrms (at sea level)
Test voltage	3 kVrms (50 Hz/1 min)

Mechanical & Environmental Specification	
Weight	1.8 kg/100 m
Min. bending radius (static)	6 mm
Min. bending radius (repeated)	20 mm
Temperature range	-65 °C ~ +165 °C
Installation temperature	20 °C ~ +60 °C
Flammability	IEC 60332-1, UL 1581 § 1080 (VW-1)

Frequency (MHz)	Attenuation & Average Power	
	dB/m at 25° C Sea level	Watt (sea level 40° C)
2.0	0.97	198
4.0	1.42	140
6.0	1.78	114
8.0	2.1	99
10.0	2.39	89
12.0	0.810	81
14.0	2.91	75
16.0	3.15	70
18.0	3.39	66
20.0	3.61	63
22.0	3.83	60
24.0	4.04	57
26.0	4.24	55