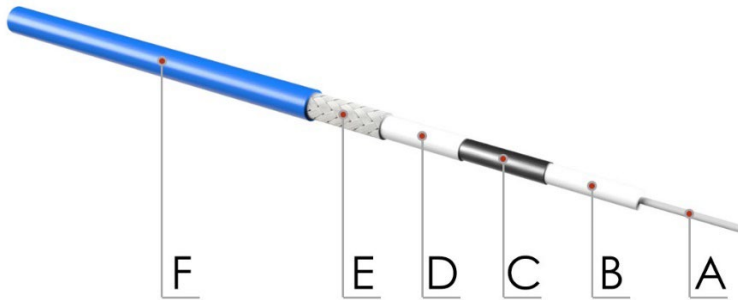


DATASHEET



FEATURES:

- Phase stable up to 26.5 GHz
- Ultra-flexible with stranded inner conductor
- Multi-layer protection, robust for test use
- Equivalent to SUCOFLEX_126 / SUCOFLEX_126E

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(SPC) Silver-plated Copper	1.02 mm (0.040 in)	Stranded
B Dielectric	Low density PTFE	3.03 mm (0.119 in)	-
C Outer Conductor	(SPC) Silver-plated copper	3.22 mm (0.127 in)	100% Coverage Tape
D Interlayer	PTFE	3.47 mm (0.137 in)	-
E Outer Shield	(SPC) Silver-plated copper	4.05 mm (0.159 in)	Braid
F Jacket	PUR (TFC205P) or FEP (TFC205F)	5.20 mm (0.205 in)	Blue

Electrical & Mechanical Data

Characteristic Impedance	50Ω
Operating Frequency	dc – 26.5 GHz
Velocity of Propagation	76%
Mechanical Phase Stability	<±4° @ 18GHz, <±5° @ 26.5GHz
Amplitude Stability (shaking test)	<±0.1 dB
Operating Temperature	-50 / +85 °C (-58 / 185 °F) – PUR jacket -50 / +150 °C (-58 / 302 °F) – FEP jacket
Shield Effectiveness	>90 dB
Withstanding Voltage	2000 V
Weight	55 Kg/Km
Min. Bending Radius	18 mm (single), 50 mm (multiple)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.3	20.4	6.2	830
1.0	38.5	11.7	441
2.0	55.9	17.0	304
4.0	82.0	25.0	207
6.0	103.2	31.5	164
8.0	121.9	37.2	139
10.0	139.0	42.4	122
12.0	154.9	47.2	110
14.0	169.9	51.8	100
16.0	184.2	56.2	92
18.0	198.0	60.4	86
26.5	252.1	76.9	67