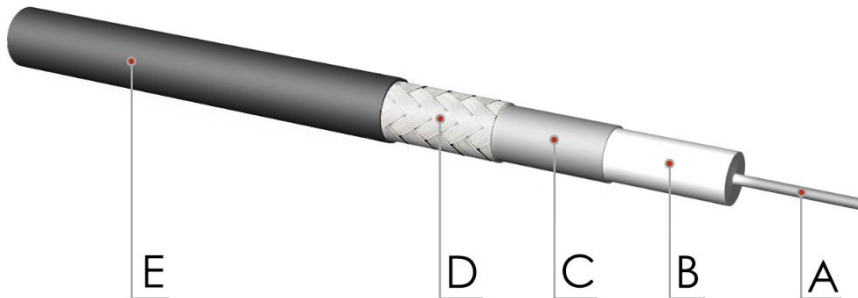


DATASHEET



FEATURES:

- Phase and Amplitude stable
- Very low VSWR and loss up to 18 GHz
- High power handling
- Flexible

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(SPC) Silver-plated Copper	2.30 mm (0.091 in)	Solid Core
B Dielectric	Low density PTFE	6.30 mm (0.248 in)	-
C Outer Conductor	(SPC) Silver-plated copper	6.50 mm (0.256 in)	100% Coverage Tape
D Outer Shield	(SPC) Silver-plated copper	7.10 mm (0.280 in)	Braid
E Jacket	(FEP) Fluorinated Ethylene Propylene	7.85 mm (0.309 in)	Grey

Electrical & Mechanical Data

Characteristic Impedance	50Ω
Operating Frequency	dc - 18 GHz
Velocity of Propagation	83%
Mechanical Phase Stability	<±5° @ 18 GHz
Temperature Phase Stability	<500 ppm (-40/+85 °C)
Amplitude Stability (shaking test)	<±0.1 dB @ 18 GHz
Operating Temperature	-50 / +150 °C (-58 / 302 °F)
Storage Temperature	-60 / +160 °C (-76 / 320 °F)
Shield Effectiveness	>90 dB
Withstanding Voltage	2000 V
Weight	130 Kg/Km
Min. Bending Radius	40 mm (single), 80 mm (multiple)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.3	8.0	2.4	3341
1.0	14.8	4.5	1812
2.0	21.1	6.4	1269
3.0	26.0	7.9	1029
6.0	37.3	11.4	716
10.0	48.9	14.9	547
12.0	53.9	16.4	496
14.0	58.6	17.9	456
16.0	63.0	19.2	425
18.0	67.1	20.5	398