



SUCOFLEX® 304

Electrical Cable Data

Frequency Range			DC ... 18 GHz
Impedance			50 Ohm
Attenuation	for calculation use formula on page 2		
	a/b parameters nominal values	@ 25° C a _{nom}	0.2607
		b _{nom}	0.0052
	maximum values	a _{max}	0.2868
		b _{max}	0.0058
Capacitance			86.4 pf/m
Relative Signal Propagation			77.0 %
Signal Delay			4.3 ns/m
Phase Stability	vs temperature	over entire temp.range	1500 ppm
	vs bending		± 2.4°/GHz
RF Leakage	@ 18 GHz		> 90 dB

General Cable Data

Temperature Range		-55 ... + 125°C
Weight		46 g/m
Diameter		5.4 mm
Min. Bending Radius	static	20 mm
	dynamic	50 mm
Qualific. Status Spaceflight		qualified

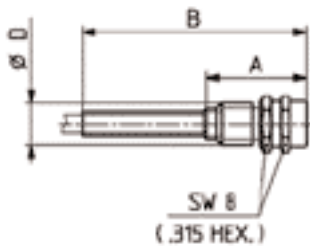
Suitable Connectors

Connector Type	Max. Frequency (GHz)	VSWR	Loss Coefficient c	Lenth Extension (m) /c	Figure
11 SMA-487	18	1.12	0.02	0	209
16 SMA-489	18	1.12	0.02	0.028	210

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11 SMA-487 - SMA straight plug (male)

Fig. 209

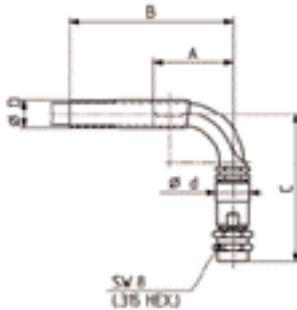


For Spaceflight only, connector vented

Dimensions (mm)		
A		22.0
B		44.0
C		—
Ø D		0.8
Ø d		—
Weight (g)		
		4.1
Material		
Body	CuBe/Au	
Nut	SS	

16 SMA-489 - SMA swept plug (male)

Fig. 210



For Spaceflight only, connector vented

Dimensions (mm)		
A		22.0
B		40.5
C		37.0
Ø D		7.5
Ø d		7.0
Weight (g)		
		4.9
Material		
Body	CuBe/Au	
Nut	SS	

The HUBER+SUHNER is certified according to ISO 9001 and ISO 14001.

WAIVER

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