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Find the *Huber+Suhner Sucoflex 104* at our website: ***Click HERE***

HUBER+SUHNER® DATA SHEET
Coaxial Cable: SUCOFLEX_104

Rev.: E



Description

SUCOFLEX 100, the flexible, high performance microwave cable

Technical Data

Construction

	Material	Detail	Diameter	
Centre conductor	Copper, Silver plated	Wire		
Dielectric	PTFE			
Outer conductor	Copper, Silver plated	wrapped Foil, 100 %		
Outer conductor	Copper, Silver plated	Braid		
Jacket	FEP	RAL 5000 - bl	5.5	mm

Electrical Data

Impedance		50	Ω
Max. operating frequency		26.5	GHz
Capacitance		87	pF/m
Velocity of signal propagation		77	%
Signal delay		4.3	ns/m
Insulation resistance		≥1 x	10^8 MΩm
Min. screening effectiveness		>90	dB (up to 18 GHz)
Max. operating voltage		2.6	kV_{rms} (at sea level)

Mechanical Data

Weight		8.4	kg/100 m
Min. bending radius	static	16	mm
	dynamic	25	mm

Environmental Data

Temperature range		-55 °C... + 165 °C
Flammability	MIL-T-87104 § 4.6.4.8	
2002/95/EC (RoHS)	compliant	

Ordering Information

Order as	SUCOFLEX_104 (available only as assembly)

Additional Information

Remarks

(For details refer to the HUBER+SUHNER MICROWAVE CABLES AND ASSEMBLIES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

Cable group

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Matrix **Attenuation** [formula: (a*f^0.5 + b*f)] **and Power CW** [formula: (p*/ f^0.5)]

Coefficients:

a=	0.2291	b=	0.0071	$f_{max.}$=	26.5	$p_{at\ 1GHz}$ =	907
	Frequency		**Nom. attenuation**		**Nom. attenuation**		**Max. CW power**
	(GHz)		**(dB / m)**		**(dB / ft)**		**(watt)**
			sea level 25° C ambient temperature		sea level 25° C ambient temperature		sea level 40° C ambient temperature
	1.3		0.27		0.082		795
	2.7		0.40		0.122		552
	4.0		0.49		0.149		454
	5.3		0.57		0.174		394
	6.6		0.64		0.195		353
	8.0		0.70		0.213		321
	9.3		0.76		0.232		297
	10.6		0.82		0.250		279
	11.9		0.87		0.265		263
	13.3		0.93		0.283		249
	14.6		0.98		0.299		237
	15.9		1.03		0.314		227
	17.2		1.07		0.326		219
	18.6		1.12		0.341		210
	19.9		1.16		0.354		203
	21.2		1.21		0.369		197
	22.5		1.25		0.381		191
	23.9		1.29		0.393		186
	25.2		1.33		0.405		181
	26.5		1.37		0.418		176

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

WAIVER!
It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

HUBER+SUHNER

HUBER+SUHNER AG
RF Industrial
9100 Herisau, Switzerland
Phone +41 (0)71 353 41 11
Fax +41 (0)71 353 45 90
www.hubersuhner.com

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