

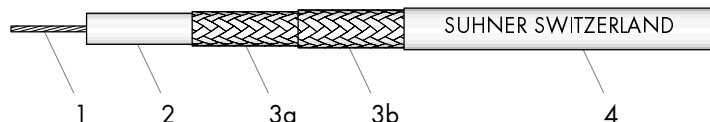


SUHNER® COAXIAL CABLE

TYPE: RG 400 /U

Item: 22510080

Cable design



1	Inner conductor	Stranded silver-plated copper	19x 0.20 mm	ø 1.00 mm
2	Dielectric	Solid polytetrafluoroethylene (PTFE)		ø 2.95 mm
3	Outer conductor	a) Silver-plated copper wire braid	97% coverage	ø 3.60 mm
		b) Silver-plated copper wire braid	94% coverage	ø 4.20 mm
4	Jacket	FEP	br (RAL 8015)	ø 4.95 mm
	Print on jacket	SUHNER SWITZERLAND	RG 400 /U	50 Ohm

Electrical data

Typ. operating frequency	(GHz)	≤ 5
Impedance	(Ω)	50 ± 2
Capacitance	(pF/m)	95.0
Relative signal propagation	(%)	70.2
Signal delay	(ns/m)	4.75
Phase stability	vs temperature	(°/GHz/m) -
	vs bending	(°/GHz) -
Insulation resistance	(MΩm)	> 10 ⁸
Test voltage	50 Hz / 1 min.	(kV _{rms}) 3.4
Max. operating voltage	at sea level	(kV _{rms}) 1.7
Typ. DC resistance	inner conductor	(Ω/km) -
	outer conductor	(Ω/km) -
Typ. screening effectiveness	1... 300 MHz	(dB) > 95

General data

Cable specification	cable design and materials in accordance with	MIL-C-17/128
Temperature range	operating	(°C) -65...+165
	installation	(°C) -20...+70
Flame propagation	IEC 332-3	passed
Halogen content	IEC 754	n/a
Typ. Weight		(kg/100m) 6.4
Min. bending radius	for bending once	(mm) 30
	for repeated bendings	(mm) 50
	for flexible applications	(mm) 100

Suitable connectors

Cable group U10/U11

For details refer to the "SUHNER® coaxial connector catalogue" or contact your nearest HUBER+SUHNER representative

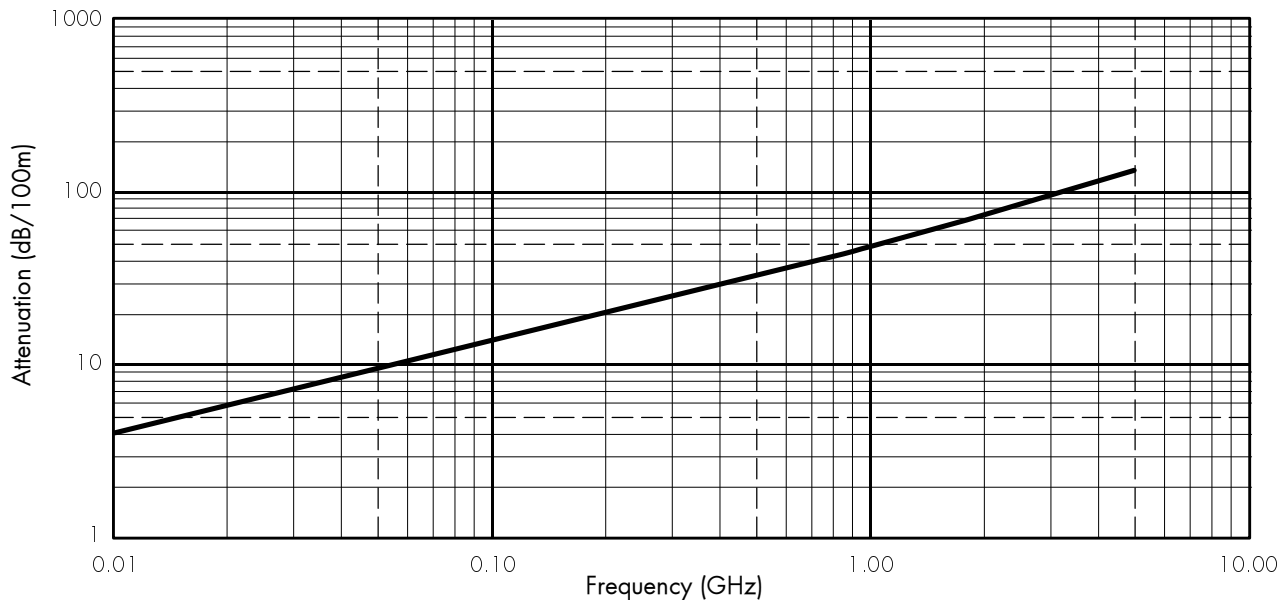
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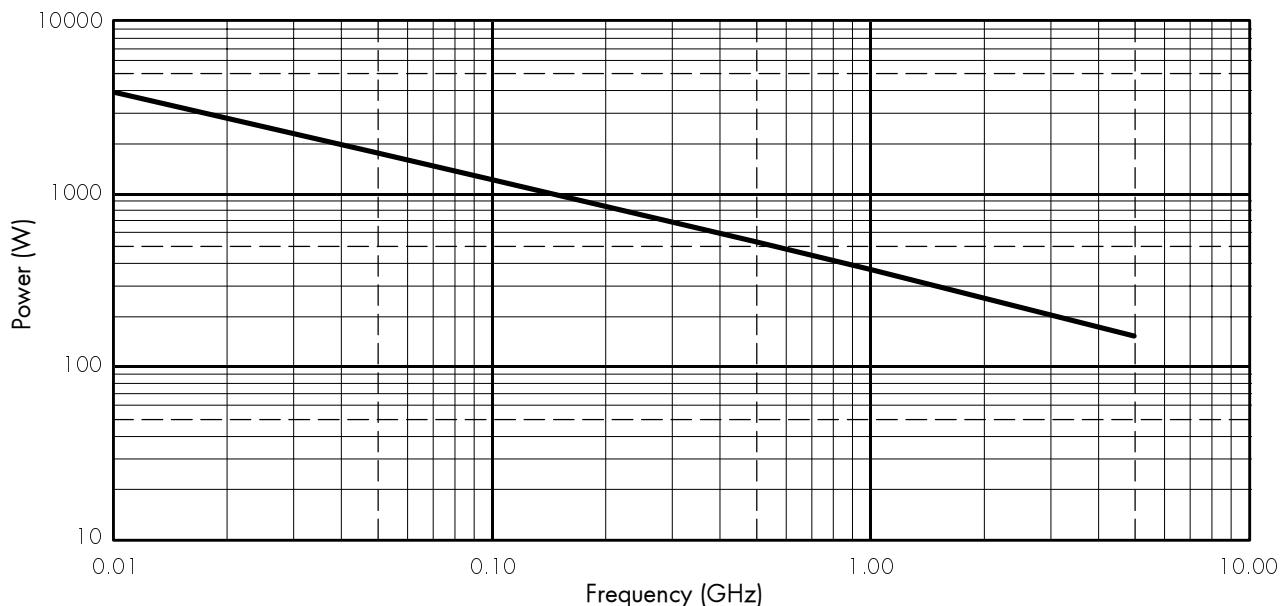
Cable attenuation

Nominal values @ +25 °C ambient temperature



C.W. power handling capability

Maximum values @ +40 °C ambient temperature and sea level, no solar load



WAIVER!

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Modification of attenuation graph