

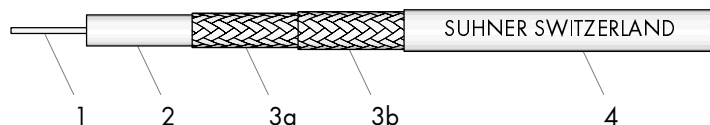


SUHNER® COAXIAL CABLE

TYPE: RG 223 /U

Item: 22510072

Cable design



1	Inner conductor	..... Silver-plated copper wire	.....	\varnothing 0.88 mm
2	Dielectric	..... Solid polyethylene (PE)	.....	\varnothing 2.95 mm
3	Outer conductor	a) Silver-plated copper braid	..... 96% coverage	\varnothing 3.60 mm
		b) Silver-plated copper braid	..... 94% coverage	\varnothing 4.20 mm
4	Jacket	..... Non-migratory PVC	..... bk (RAL 9005)	\varnothing 5.40 mm
	Print on jacket	..... SUHNER SWITZERLAND RG 223 /U 50 Ohm		

Electrical data

Typ. operating frequency	.....	(GHz)	≤ 5
Impedance	.....	(Ω)	50 ± 2
Capacitance	.....	(pF/m)	100.7
Relative signal propagation	.....	(%)	66.3
Signal delay	.....	(ns/m)	5.03
Phase stability	vs temperature	($^{\circ}$ /GHz/m)	-
	vs bending	($^{\circ}$ /GHz)	-
Insulation resistance	.....	(M Ω m)	$> 10^8$
Test voltage	..... 50 Hz / 1 min.	(kV _{rms})	5
Max. operating voltage	at sea level	(kV _{rms})	2.5	
Typ. DC resistance	inner conductor	(Ω /km)	27.7	
	outer conductor	(Ω /km)	6.7	
Typ. screening effectiveness	..... 1 ... 300 MHz	(dB)	> 85

General data

Cable specification	..... cable design and materials in accordance with	.....	MIL-C-17/84
Temperature range	operating	($^{\circ}$ C)	-40...+70
	installation	($^{\circ}$ C)	-20...+60
Flame propagation	..... IEC 332-1	.....	n/a
Halogen content	..... IEC 754	.....	n/a
Typ. Weight	.....	(kg/100m)	5.5
Min. bending radius	for bending once	(mm)	30
	for repeated bendings	(mm)	55
	for flexible applications	(mm)	-

Suitable connectors

Cable group U9/U10

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

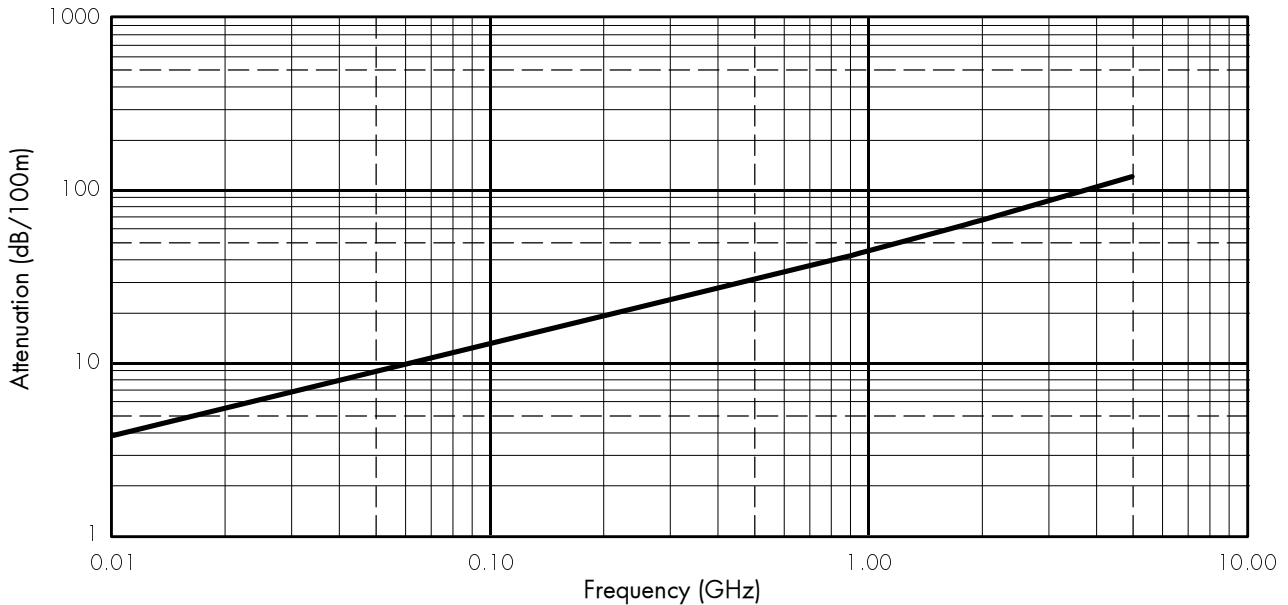
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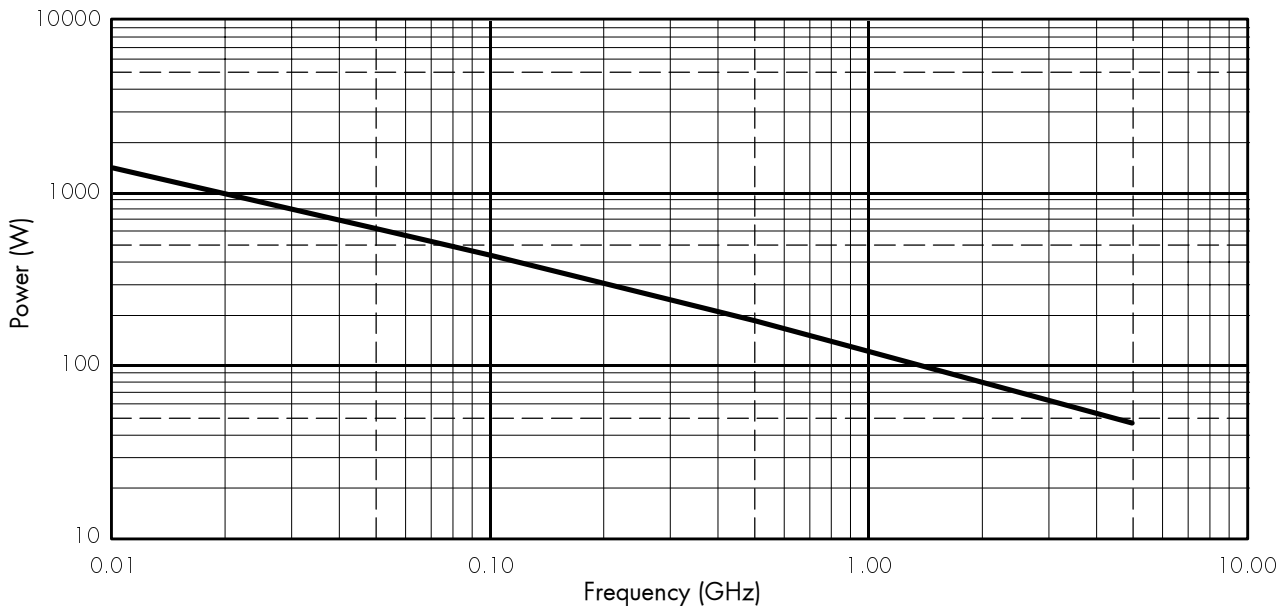
Cable attenuation

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