

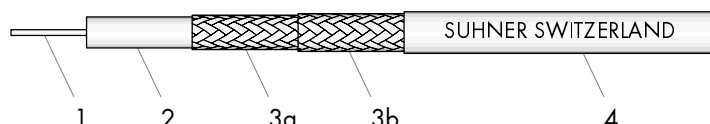


SUHNER® COAXIAL CABLE

TYPE: RG 142 B/U

Item: 22510037

Cable design



1	Inner conductor	..... Silver-plated copper-clad steel wire	.....	\varnothing 0.95 mm
2	Dielectric	..... Solid polytetrafluoroethylene (PTFE)	.....	\varnothing 2.95 mm
3	Outer conductor	a) Silver-plated copper wire braid	..... 97% coverage	\varnothing 3.60 mm
		b) Silver-plated copper wire braid	..... 94% coverage	\varnothing 4.25 mm
4	Jacket	..... FEP	..... br (RAL 8015)	\varnothing 4.95 mm
	Print on jacket	..... SUHNER SWITZERLAND	RG 142 B/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	($^{\circ}$ /GHz/m)	-
	vs bending	($^{\circ}$ /GHz)	-
Insulation resistance	.....	(M Ω m)	$> 10^8$
Test voltage	..... 50 Hz / 1 min.	(kV _{rms})	5.0
Max. operating voltage	at sea level	(kV _{rms})	2.5	
Typ. DC resistance	inner conductor	(Ω /km)	63.2	
	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-17/60
Temperature range	operating	($^{\circ}$ C) -65...+165
	installation	($^{\circ}$ 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) -

Suitable connectors

Cable group U9 / U10

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

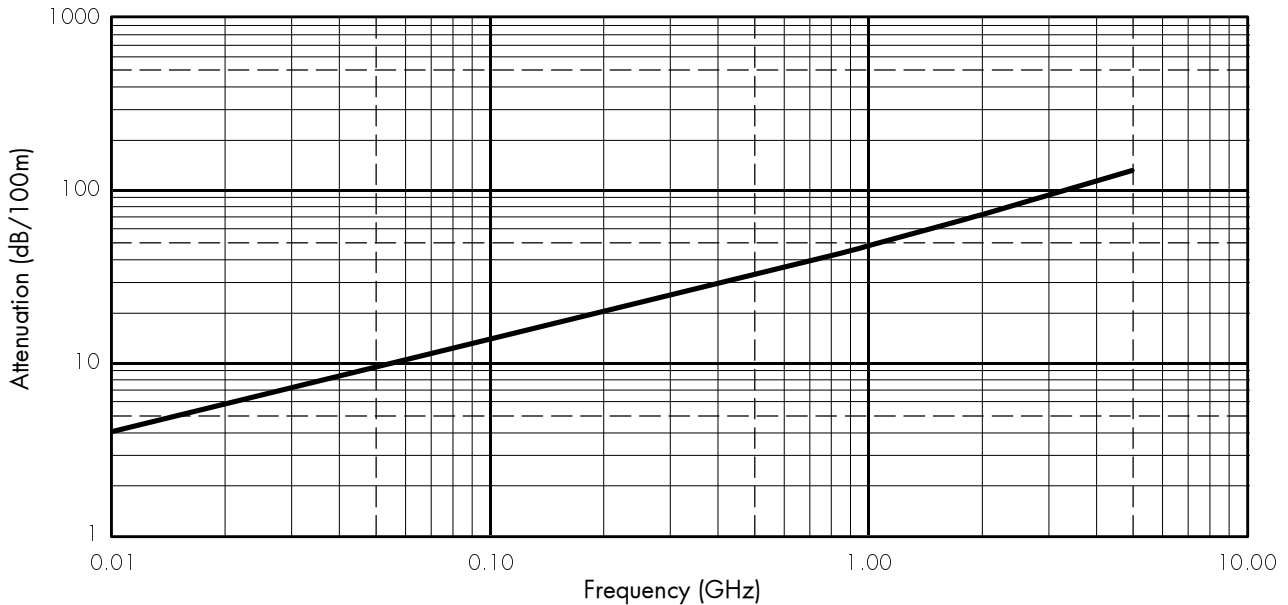
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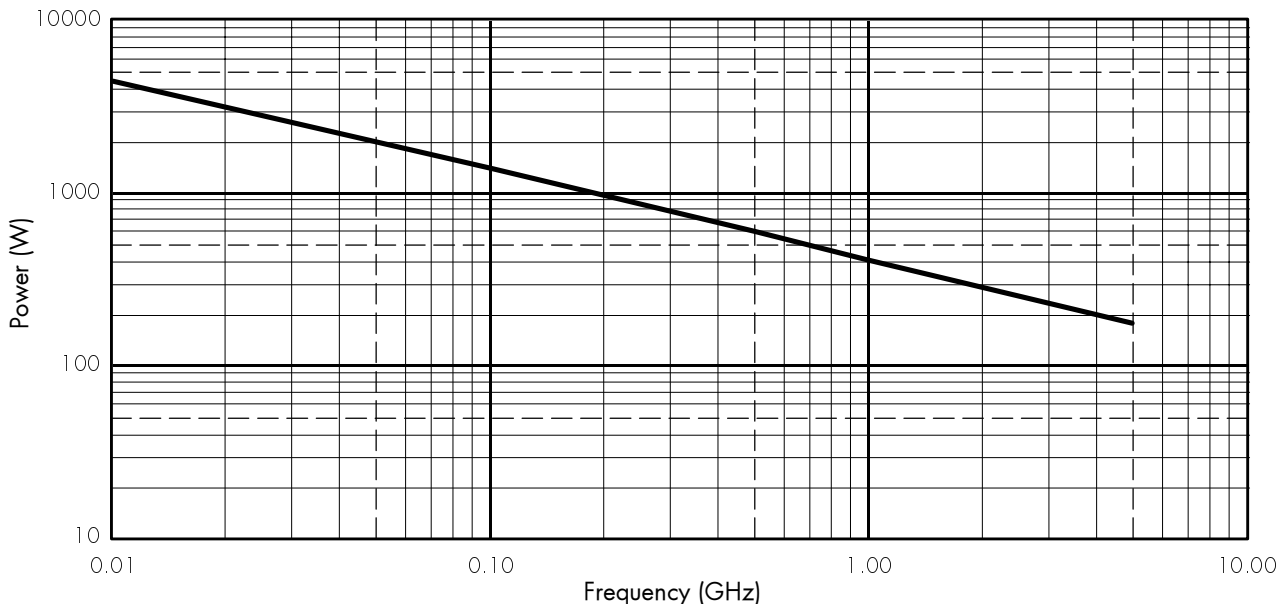
Cable attenuation

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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Change of electrical data