

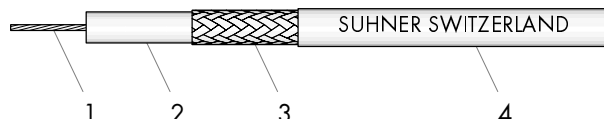


# SUHNER® COAXIAL CABLE

## TYPE: RG 58 C/U

Item: 22510015

### Cable design



1	Inner conductor	Stranded tinned copper	19x 0.187 mm	∅ 0.935 mm
2	Dielectric	Solid polyethylene (PE)		∅ 2.95 mm
3	Outer conductor	Tinned copper braid	96% coverage	∅ 3.60 mm
4	Jacket	Non-migratory PVC	bk (RAL 9005)	∅ 4.95 mm
	Print on jacket	SUHNER SWITZERLAND RG 58 C/U 50 Ohm		

### Electrical data

Typ. operating frequency		(GHz)	≤ 1
Impedance		(Ω)	50 ± 2
Capacitance		(pF/m)	100.7
Relative signal propagation		(%)	66.3
Signal delay		(ns/m)	5.03
Phase stability	vs temperature	(°/GHz/m)	-
	vs bending	(°/GHz)	-
Insulation resistance		(MΩm)	> 10 <sup>8</sup>
Test voltage	50 Hz / 1 min.	(kV <sub>rms</sub> )	5
Max. operating voltage	at sea level	(kV <sub>rms</sub> )	2.5
Typ. DC resistance	inner conductor	(Ω/km)	34.5
	outer conductor	(Ω/km)	13.8
Typ. screening effectiveness	1 ... 300 MHz	(dB)	> 35

### General data

Cable specification	cable design according to	MIL-C-17/28
Temperature range	operating	(°C) -40...+85
	installation	(°C) -20...+70
Flame propagation	IEC 332-1	n/a
Halogen content	IEC 754	n/a
Typ. Weight		(kg/100m) 3.7
Min. bending radius	for bending once	(mm) 25
	for repeated bendings	(mm) 50
	for flexible applications	(mm) 100

### Suitable connectors

Cable group ..... U7

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

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Temperature range

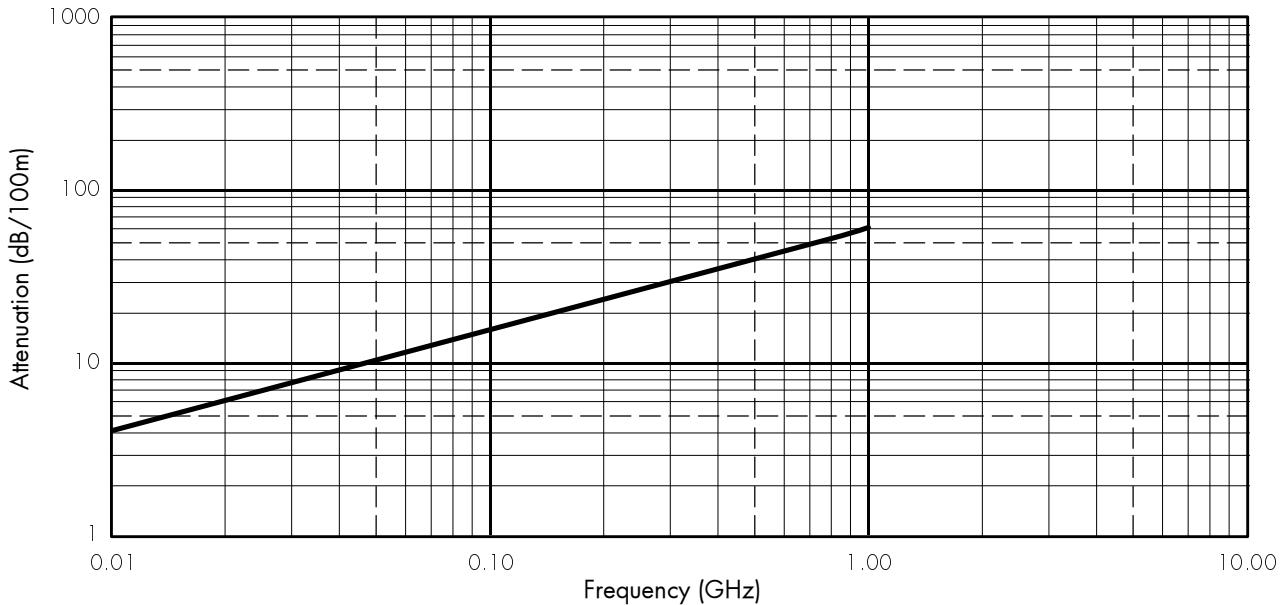
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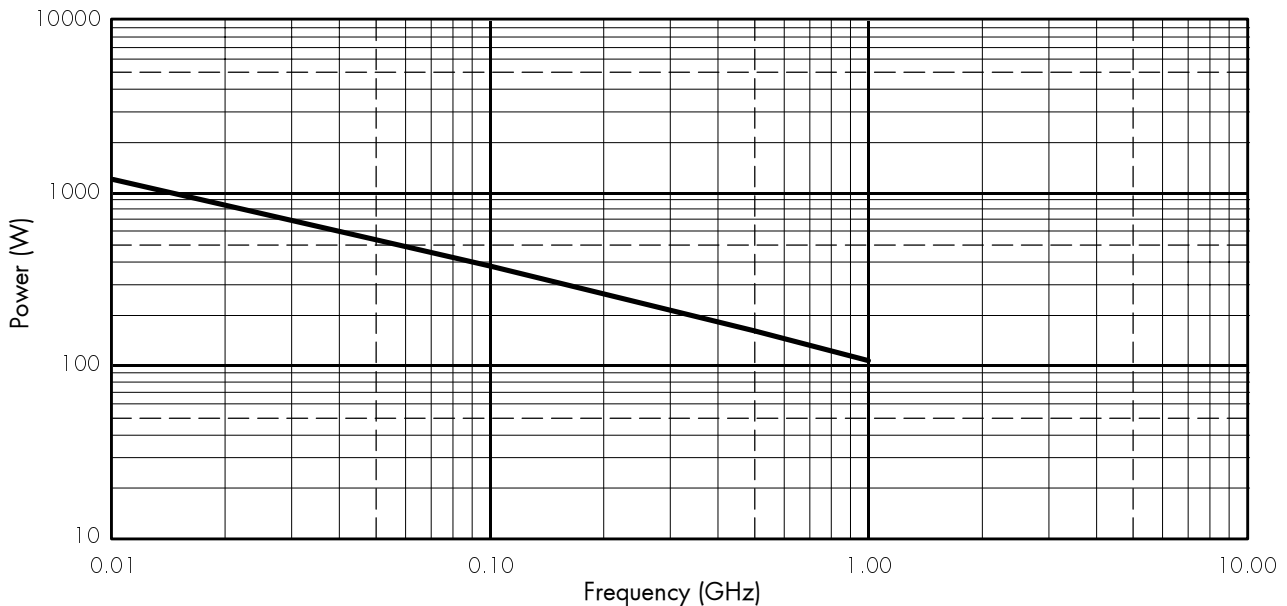
### Cable attenuation

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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