

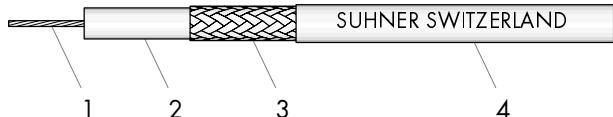


# **SUHNER® COAXIAL CABLE**

## **TYPE: RG 58 C/U**

**Item: 22510015**

## Cable design



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

### **Electrical data**

Typ. operating frequency	.....	(GHz)	$\leq 1$
Impedance	.....	( $\Omega$ )	$50 \pm 2$
Capacitance	.....	( $\text{pF}/\text{m}$ )	100.7
Relative signal propagation	.....	(%)	66.3
Signal delay	.....	( $\text{ns}/\text{m}$ )	5.03
Phase stability	vs temperature	( $\text{p}^{\circ}/\text{GHz}/\text{m}$ )	-
	vs bending	( $\text{p}^{\circ}/\text{GHz}$ )	-
Insulation resistance	.....	( $M\Omega \cdot \text{m}$ )	$> 10^8$
Test voltage	..... 50 Hz / 1 min.	( $kV_{rms}$ )	5
Max. operating voltage	at sea level	( $kV_{rms}$ )	2.5
Typ. DC resistance	inner conductor	( $\Omega/\text{km}$ )	34.5
	outer conductor	( $\Omega/\text{km}$ )	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

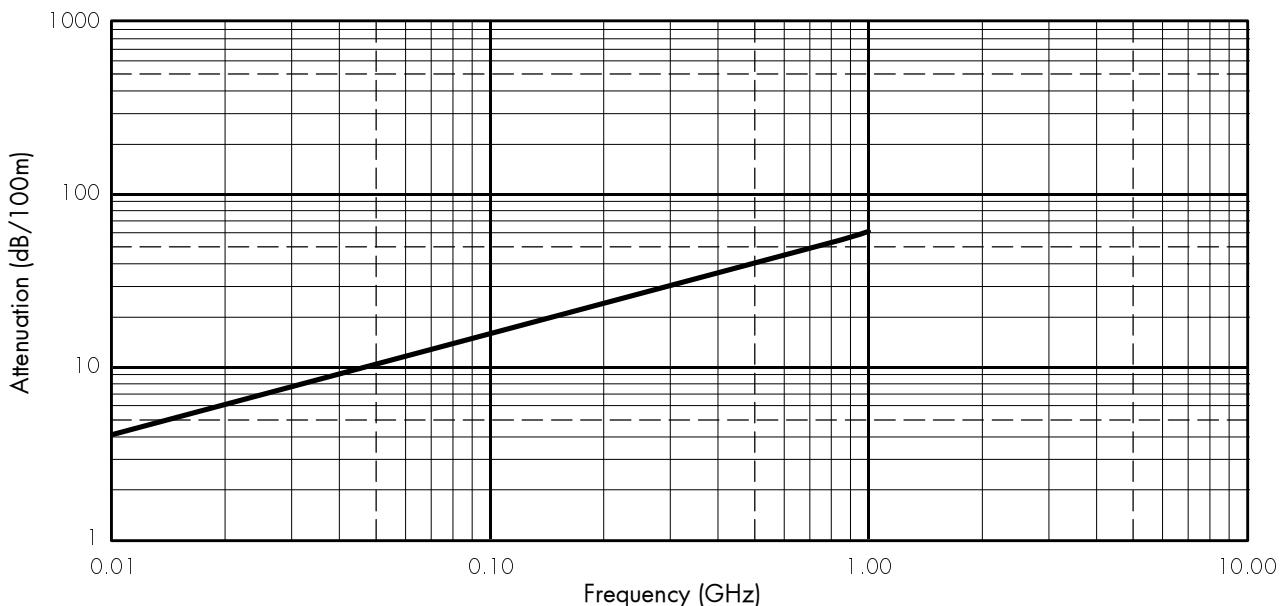
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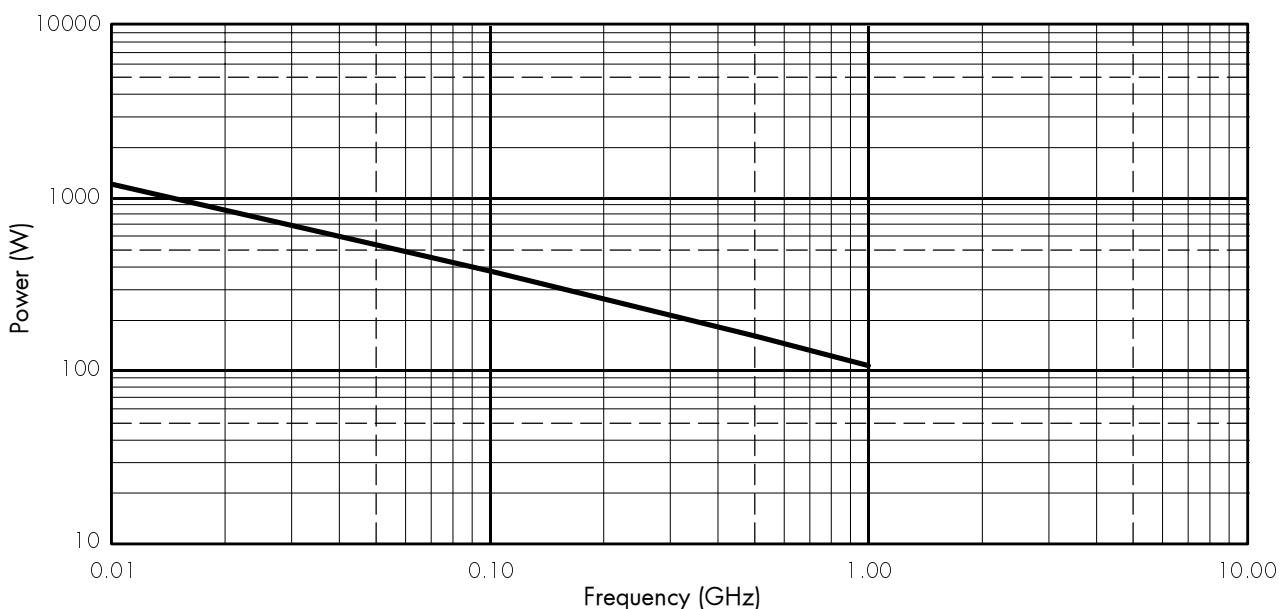
### **Cable attenuation**

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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**HUBER+SUHNER**

HUBER+SUHNER AG  
Coaxial Cable Division  
CH-9100 Herisau, Switzerland  
Tel.: +41 (0)71 353 41 11  
Fax: +41 (0)71 353 45 90  
e-mail: sales.hfk@hubersuhner.com  
www.hubersuhner.com

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Temperature range

2/2