



# SUHNER® CORRUGATED COAXIAL CABLE

## TYPE: SUCOFEED 1/2" HF

Item: 22512114



### Cable design

1	Inner conductor	.... Bare annealed copper wire	.....	$\varnothing$ 3.60 mm
2	Dielectric	.... Cellular polyethylene (SPE)	.....	$\varnothing$ 8.60 mm
3	Outer conductor	.... Helically corrugated copper tube, welded	.....	$\varnothing$ 12.10 mm
4	Jacket	.... Polyethylene (LDPE)	..... bk (RAL 9005)	$\varnothing$ 13.40 mm
	Print on jacket	.... SUHNER SUCOFEED 1/2" HF (Batch no.) (metric length)		

### Electrical data

Typ. operating frequency	.....	(GHz)	$\leq 5$
Impedance	.....	( $\Omega$ )	$50 \pm 1.5$
Capacitance	.....	(pF/m)	78.0
Relative signal propagation	.....	(%)	85.5
Signal delay	.....	(ns/m)	3.90
Phase stability	.... vs temperature	..... -40 °C ... +70 °C	(ppm) 695
	.... vs bending	.....	( $^{\circ}$ /GHz) -
Insulation resistance	.....	(M $\Omega$ m)	$> 10^8$
Test voltage	.....	50 Hz / 1 min.	(kV <sub>rms</sub> ) 2.3
Max. operating voltage	.... at sea level	.....	(kV <sub>rms</sub> ) 1.2
Typ. DC resistance	.... inner conductor	.....	( $\Omega$ /km) $\leq 1.85$
	.... outer conductor	.....	( $\Omega$ /km) $\leq 2.80$
Typ. screening effectiveness	.....	(dB)	-

### General data

Cable specification	.... cable design and materials in accordance with	.....	M2839A
Temperature range	.... operating	.....	( $^{\circ}$ C) -40...+85
	.... installation	.....	( $^{\circ}$ C) -25...+60
Bending moment	.....	(Nm)	4.8
Flame propagation	.....	IEC 332-1	n/a
Halogen content	.....	IEC 754	passed
Typ. Weight	.....	(kg/100m)	26.0
Min. bending radius	.... for bending once	.....	(mm) 35
	.... for repeated bendings	.....	(mm) -

### Suitable Accessories and [Connectors](#)

Accessories	..... refer to document	.....	03.03.0078
Connector cable group	.....	.....	M9
For details refer to the "SUHNER® coaxial connector catalogue" or contact your nearest HUBER+SUHNER representative			

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 Temperature modification

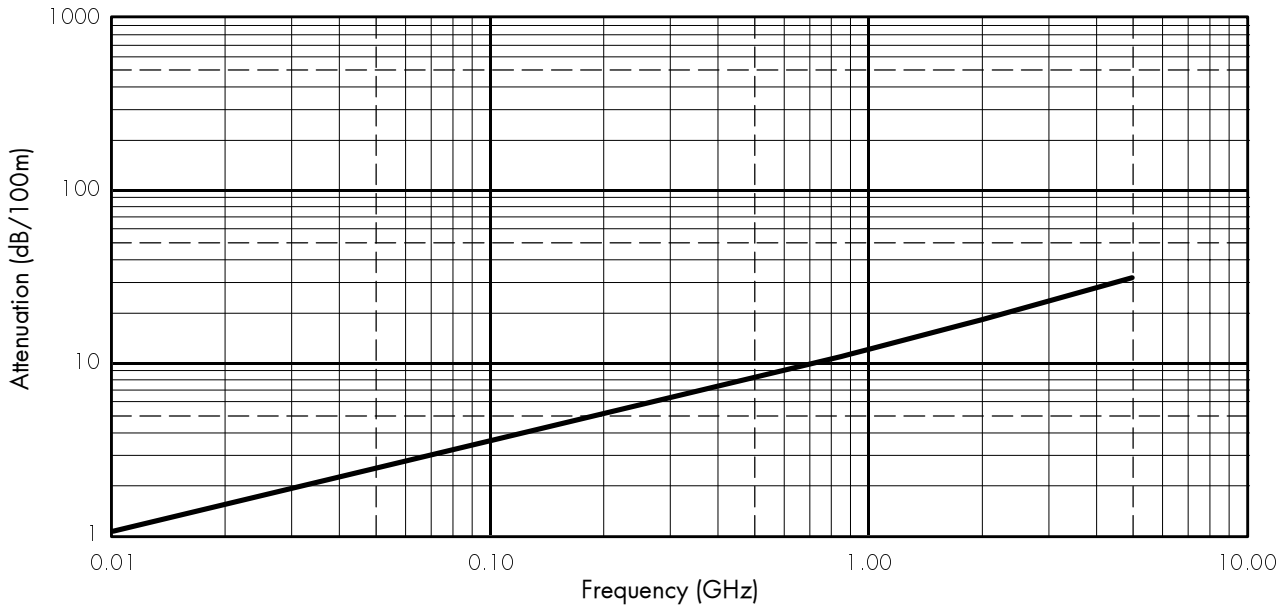
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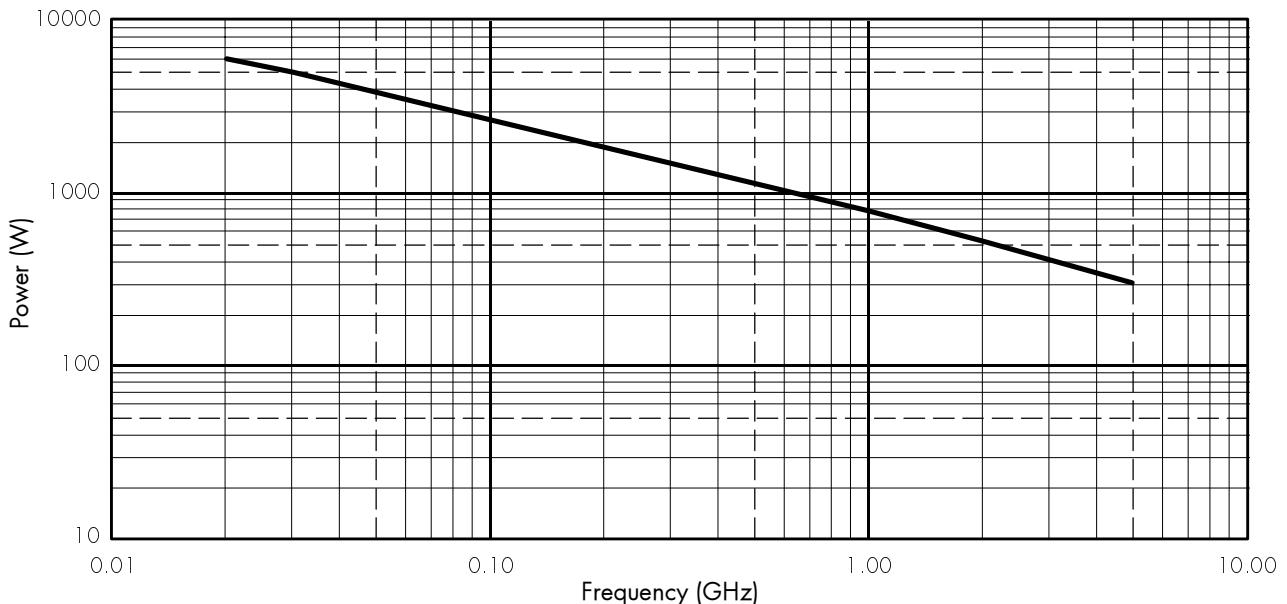
### Cable attenuation

Nominal values @ +25 °C ambient temperature



### C.W. power handling capability

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



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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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