

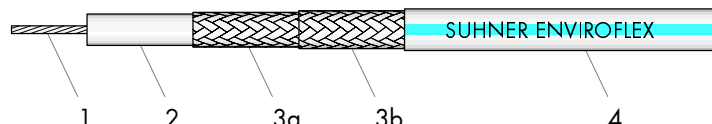


SUHNER® COAXIAL CABLE

TYPE: ENVIROFLEX 316 D

Item: 22512281

Cable design



1	Inner conductor	Stranded silver-plated copper-clad steel	7x 0.18 mm	ø 0.54 mm
2	Dielectric	Cellular polyethylene, cross-linked (SPEX)		ø 1.55 mm
3	Outer conductor	a) Silver-plated copper braid	96% coverage	ø 1.97 mm
		b) Silver-plated copper braid	91% coverage	ø 2.45 mm
4	Jacket	RADOX® 125, cross-linked, blue stripe	bk (RAL 9005)	ø 3.10 mm
	Print on jacket	SUHNER ENVIROFLEX 316 D	(Batch no.)	

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	-40°C ... +100°C	(ppm)	≤ 9200
	vs bending		(°/GHz)	-
Insulation resistance		(MΩ.m)	> 10 ⁸	
Test voltage		50 Hz / 1 min.	(kV _{rms})	3.0
Max. operating voltage	at sea level		(kV _{rms})	1.5
Typ. DC resistance	inner conductor		(Ω/km)	≤ 234.00
	outer conductor		(Ω/km)	≤ 17.00
Typ. screening effectiveness		1 MHz ... 1000 MHz	(dB)	≥ 58

General data

Cable specification	cable dimensions in accordance with	-
Temperature range	operating	(°C) -40...+100
	installation	(°C) -20...+ 60
Flame propagation	IEC 332-1, IEC 332 -2	passed
	UL 1581, §1100	passed
Halogen content	IEC 754	passed
Abrasion (Chafing)	MIL-T-81490, §4.7.19	(Oscillations) n/a
Typ. Weight		(kg/100m) 2.0
Min. bending radius	for bending once	(mm) 5
	for repeated bendings	(mm) 30

Suitable connectors

Cable group U4/U4

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

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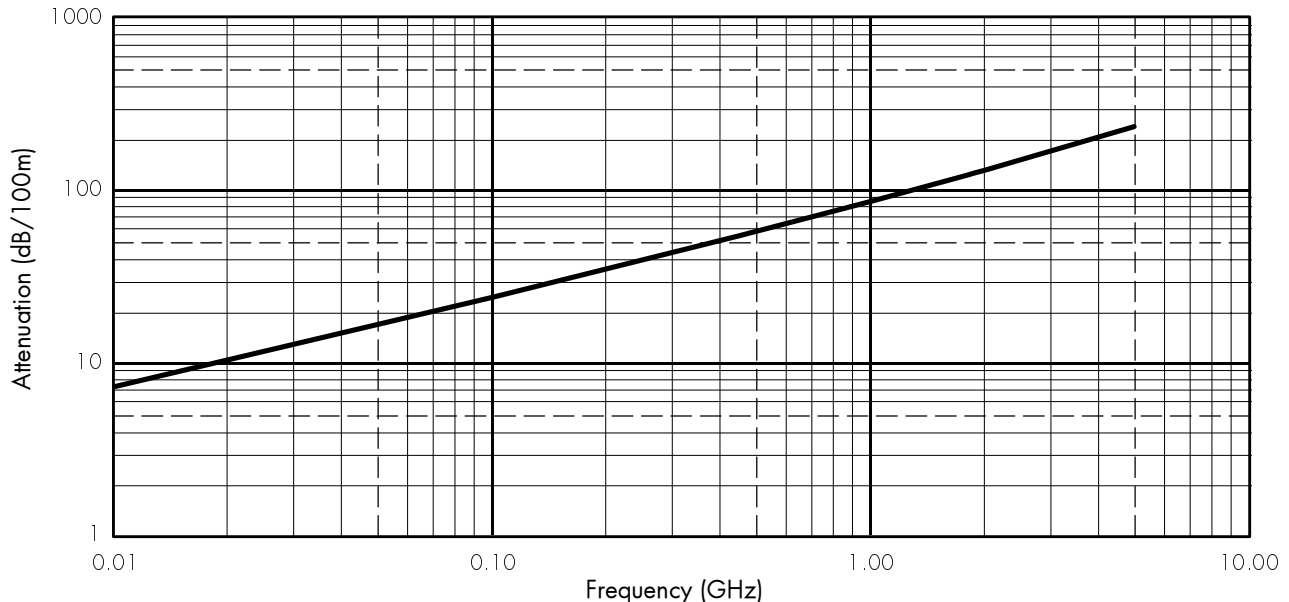
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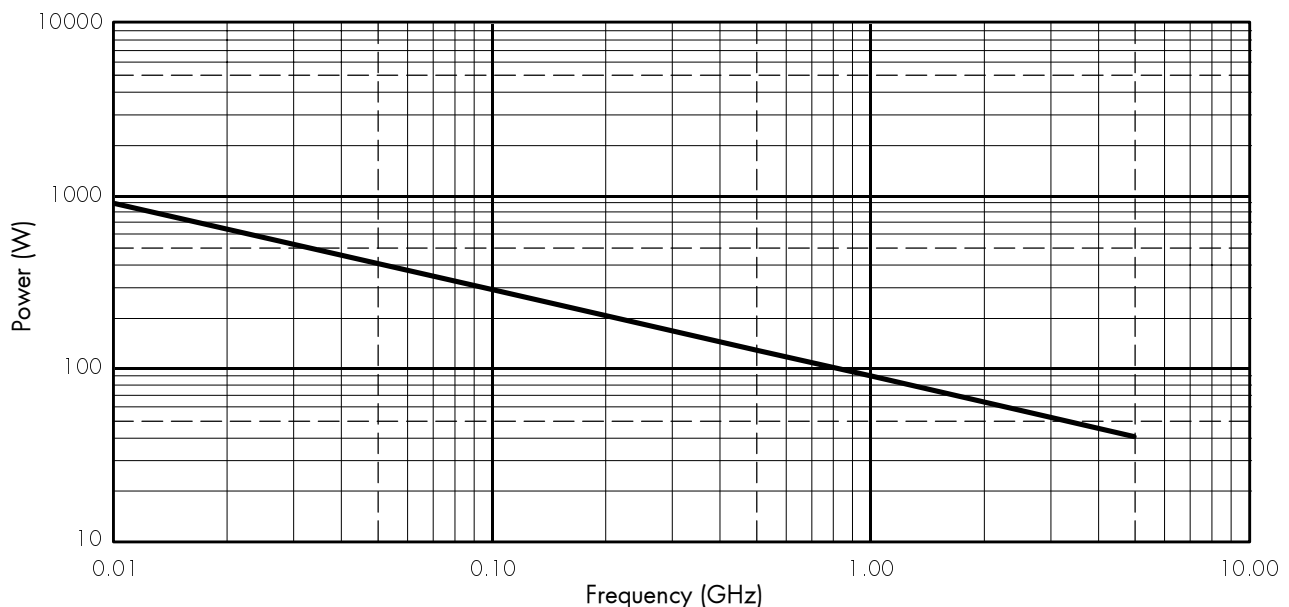
Cable attenuation

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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