



SUHNER[®] CORRUGATED COAXIAL CABLE

TYPE: SUCOFEED 1/2" HF

Item: 22512114



Cable design

1	Inner conductor	 Copper-clad aluminium wire	.....	∅ 3.60 mm
2	Dielectric	 Cellular polyethylene (SPE)	.....	∅ 8.70 mm
3	Outer conductor	 Helically corrugated copper tube, welded	.....	∅ 12.10 mm
4	Jacket	 Polyethylene (LDPE), black	.....	∅ 13.40 mm
	Print on jacket	 SUHNER SUCOFEED 1/2" HF (batch no.) (metric length)		

Electrical data

Typ. operating frequency	.....	(GHz)	≤ 10
Attenuation	.....		see graph
Impedance	.....	(Ω)	50 ± 1
Capacitance	.....	(pF/m)	78.5
Inductance	.....	(μH/m)	0.20
Signal propagation	.....	(%)	85
Signal delay	.....	(ns/m)	3.92
Insulation resistance	.....	(MΩm)	> 10 ⁷
Test voltage	 at 50 Hz / 1 min.	(kV _{rms})	2.6
Max. operating voltage	 at sea level	(kV _{rms})	1.27
Peak power rating	.....	(kW)	16
C.W. power rating	.....		see graph
Typ. DC resistance	 inner conductor	(Ω/km)	≤ 2.90
	 outer conductor	(Ω/km)	≤ 2.80
Typ. return loss	 at 380 - 470 MHz / 806 - 960 MHz / 1710 - 2200 MHz	(dB)	28.5/28.5/26
Typ. screening effectiveness	.....	(dB)	> 120

General data

Cable specification	 cable design and materials in accordance with	.....	M2839B
Temperature range	 operating	 °C/	-40...+85
	 installation	 °C/	-25...+60
Flame propagation	.....		n/a
Halogen content	 IEC 60754-1	.....	passed
Max. tensile strength	.....	(N)	≤ 700
Bending moment	 at 90°	(Nm)	4.8
Typ. weight	.....	(kg/100m)	22.7
Min. bending radius	... for bending once	(mm)	25
	... for repeated bendings	(mm)	50

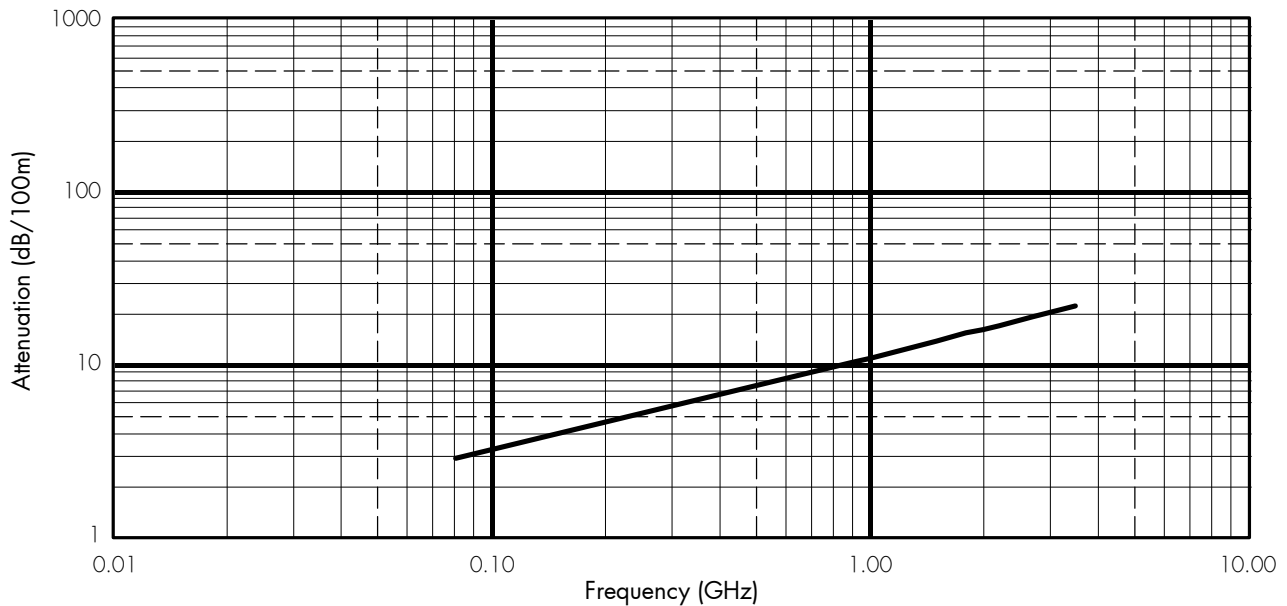
Suitable Connectors

Connector cable group M9

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

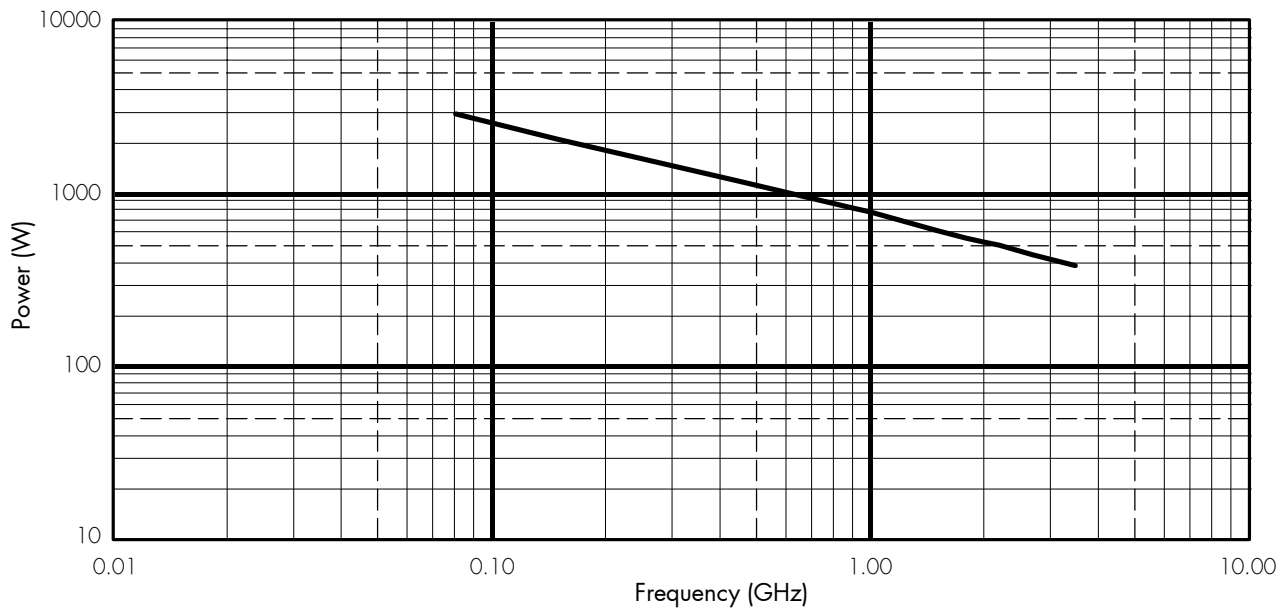
Cable attenuation

Nominal values @ +25 °C ambient temperature



C.W. power handling capability

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



HUBER+SUHNER Group is certified according to ISO 9001 and ISO 14001.

Waiver!

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Excellence in Connectivity Solutions



HUBER+SUHNER

HUBER+SUHNER AG
Mobile Communications + Electronics
CH-9100 Herisau, Switzerland
Phone: +41 (0)71 353 41 11
Fax: +41 (0)71 353 45 90
www.hubersuhner.com

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General update

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