



SUHNER® COAXIAL CABLE DATA SHEET

TYPE S 03133 D-06

Double screened coaxial cable

Cable Design



	Material	Detail	Diameter
Centre conductor:	Cu	Wire (0.62 mm)	0.62 mm
Dielectric:	SPE		2.82 mm
1. Outer conductor:	Al longitudinal Foil	100% coverage	2.9 mm
2. Outer conductor:	CuSn Braid	82% coverage	3.55 mm
3. Outer conductor:	CuSn Braid	81% coverage	4.2 mm
Jacket:	PVC (No print)	RAL 7032 - gr	5.3 mm +/-0.1

Electrical Data

Impedance:	75 Ω +/-3
Max. operating frequency:	2 GHz
Capacitance :	57.8 pF / m
Velocity of signal propagation:	77 %
Signal delay:	4.33 ns / m
Min. screening effectiveness:	> 81 dB (up to 2 GHz)
Max. operating voltage:	0.25 kV _{rms} (at sea level)
Test voltage:	0.5 kV _{rms} (50 Hz/ 1min)
Insulation resistance:	> 10 M Ω m

General Data

Temperature range:	-40 °C...+ 85 °C
Weight:	4.2 kg / 100 m
Min. bending radius :	static 30 mm
	repeated (for max. 50 bendings) 60 mm

Suitable Connectors

Cable group **/ n/a*
 (for details refer to the "SUHNER coaxial connector catalogue" or contact you nearest HUBER+SUHNER partner)

Notes

Order as **S 03133 D-06** under article number **22511879**

WAIVER!

While the information contained in this folder has been carefully compiled to the best of our present knowledge, it is not intended as representation or warranty of any kind on our part regarding the fitness of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The fitness of each product for any particular purpose must be checked beforehand with our specialists.



HUBER+SUHNER AG
 Interconnect Division
 CH-9100 Herisau
 Phone +41 (0)71 353 41 11
 Fax +41 (0)71 353 45 90
<http://www.hubersuhner.com>

Issued: 26.6.2002 13:39

Document: TEMP_PDB_2251187
9.PDF

RF_Co_Ca_PDF

uncontrolled copy

Page 1



SUHNER® COAXIAL CABLE DATA SHEET

TYPE S 03133 D-06

Matrix Attenuation [formula : (a*f^0.5 +b*f)] and Power CW [formula : (p*/f^0.5)]

Coefficients:

a= 0.328

b= 0.0165

f_{max}= 2

p_{at 1GHz} = 93

Frequency (GHz)	Nom. attenuation (dB / m) sea level 25° C ambient temperature	Nom. attenuation (dB / ft) sea level 25° C ambient temperature	Max. CW power (watt) sea level 40° C ambient temperature
0.10	0.105	0.0320	294.1
0.20	0.150	0.0457	208.0
0.30	0.185	0.0564	169.8
0.40	0.214	0.0652	147.0
0.50	0.240	0.0731	131.5
0.60	0.264	0.0805	120.1
0.70	0.286	0.0872	111.2
0.80	0.307	0.0936	104.0
0.90	0.326	0.0994	98.0
1.00	0.345	0.1052	93.0
1.10	0.362	0.1103	88.7
1.20	0.379	0.1155	84.9
1.30	0.395	0.1204	81.6
1.40	0.411	0.1253	78.6
1.50	0.426	0.1298	75.9
1.60	0.441	0.1344	73.5
1.70	0.456	0.1390	71.3
1.80	0.470	0.1432	69.3
1.90	0.483	0.1472	67.5
2.00	0.497	0.1515	65.8

WAIVER!

While the information contained in this folder has been carefully compiled to the best of our present knowledge, it is not intended as representation or warranty of any kind on our part regarding the fitness of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The fitness of each product for any particular purpose must be checked beforehand with our specialists.



HUBER+SUHNER AG
Interconnect Division
CH-9100 Herisau
Phone +41 (0)71 353 41 11
Fax +41 (0)71 353 45 90
<http://www.hubersuhner.com>

Issued: 26.6.2002 13:39

Document: TEMP_PDB_2251187
9.PDF

RF_Co_Ca_PDF

uncontrolled copy

Page 2