

## Apéndice A.

### Características de los cables de la familia Sucoflex

#### Coaxial Cable: SUCOFLEX\_101

Rev.: F

Matrix      Attenuation [ formula:  $(a \cdot f^{0.5} + b \cdot f)$  ] and Power CW [ formula:  $(p / f^{0.5})$  ]

Coefficients:

a=	0.4255	b=	0.01	f <sub>max</sub> =	50	p <sub>at</sub> 1GHz =	296
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				
2.5	0.70	0.213	187				
5.0	1.00	0.305	132				
7.5	1.24	0.378	108				
10.0	1.45	0.442	94				
12.5	1.63	0.497	84				
15.0	1.80	0.549	76				
17.5	1.95	0.594	71				
20.0	2.10	0.640	66				
22.5	2.24	0.683	62				
25.0	2.38	0.725	59				
27.5	2.51	0.765	56				
30.0	2.63	0.802	54				
32.5	2.75	0.838	52				
35.0	2.87	0.875	50				
37.5	2.98	0.908	48				
40.0	3.09	0.942	47				
42.5	3.20	0.975	45				
45.0	3.30	1.006	44				
47.5	3.41	1.039	43				
50.0	3.51	1.070	42				

#### Nominal attenuation and power

[Jump to \[Top\]](#)

Frequency [GHz]	Attenuation* [dB/m]	Attenuation* [dB/ft]	Power** [W]
0.01	0.04	0.01	2960
0.05	0.10	0.03	1324
0.10	0.14	0.04	936
0.15	0.17	0.05	764
0.20	0.19	0.06	662
0.30	0.24	0.07	540
0.40	0.27	0.08	468
0.45	0.29	0.09	441
0.50	0.31	0.09	419
0.60	0.34	0.10	382
0.80	0.39	0.12	331
0.85	0.40	0.12	321
0.90	0.41	0.13	312
0.95	0.42	0.13	304
1.00	0.44	0.13	296
1.80	0.59	0.18	221
1.90	0.61	0.18	215
2.00	0.62	0.19	209
2.40	0.68	0.21	191
3.00	0.77	0.23	171
4.00	0.89	0.27	148
5.00	1.00	0.31	132
6.00	1.10	0.34	121
7.50	1.24	0.38	108
8.00	1.28	0.39	105

Attenuation and power graph

Display option:  Logarithmic scale

9.00	1.37	0.42	99
10.00	1.45	0.44	94
12.50	1.63	0.50	84
15.00	1.80	0.55	76
18.00	1.99	0.61	70
20.00	2.10	0.64	66
26.50	2.46	0.75	58
33.00	2.77	0.85	52
40.00	3.09	0.94	47
46.00	3.35	1.02	44
50.00	3.51	1.07	42

Please note: Attenuation values at +25°C ambient temperature and sea level \*  
Power values at +40°C ambient temperature and sea level \*\*  
To see the 'Attenuation and power graph' the **Adobe SVG Viewer** version 3.0 or higher must be installed.

Required plug-in:

**Tests** Jump to [\[Top\]](#)

Following tests have been passed successfully. For any details please contact your nearest **HUBER+SUHNER representative**.

Test description	Specification / Paragraph / Method
Fire Test c	MIL-T-87104 - §4.6.4.8

..... [privacy policy](#) | [disclaimer](#) © 2005 HUBER+SUHNER

## Sucoflex 102

Frequency	Attenuation*		Power**	Attenuation and power graph
[GHz]	[dB/m]	[dB/ft]	[W]	
0.01	0.04	0.01	3940	
0.05	0.08	0.03	1762	
0.10	0.12	0.04	1246	
0.15	0.14	0.04	1017	
0.20	0.17	0.05	881	
0.30	0.20	0.06	719	
0.40	0.24	0.07	623	
0.45	0.25	0.08	587	
0.50	0.27	0.08	557	
0.60	0.29	0.09	509	
0.80	0.34	0.10	441	
0.85	0.35	0.11	427	
0.90	0.36	0.11	415	
0.95	0.37	0.11	404	
1.00	0.38	0.11	394	
1.80	0.51	0.16	294	
1.90	0.52	0.16	286	
2.00	0.54	0.16	279	
2.40	0.59	0.18	254	
3.00	0.66	0.20	227	
4.00	0.77	0.23	197	
5.00	0.86	0.26	176	
6.00	0.95	0.29	161	
7.50	1.07	0.33	144	
8.00	1.10	0.34	139	
9.00	1.17	0.36	131	
10.00	1.24	0.38	125	
12.50	1.40	0.43	111	
15.00	1.54	0.47	102	
18.00	1.70	0.52	93	
20.00	1.80	0.55	88	
26.50	2.09	0.64	77	
33.00	2.36	0.72	69	
40.00	2.62	0.80	62	
46.00	2.84	0.86	58	

Display option:  Logarithmic scale

Please note: Attenuation values at +25°C ambient temperature and sea level \*  
Power values at +40°C ambient temperature and sea level \*\*  
To see the 'Attenuation and power graph' the **Adobe SVG Viewer** version 3.0 or higher must be installed.

Required plug-in:

**Tests** Jump to [\[Top\]](#)

Following tests have been passed successfully. For any details please contact your nearest **HUBER+SUHNER representative**.

Test description	Specification / Paragraph / Method
Fire Test a	MIL-T-87104 - §4.6.4.8

..... [privacy policy](#) | [disclaimer](#) © 2005 HUBER+SUHNER

## Sucoflex 103

## Nominal attenuation and power

Jump to [\[Top\]](#)

Frequency	Attenuation*		Power**	Attenuation and power graph
[GHz]	[dB/m]	[dB/ft]	[W]	
0.01	0.03	0.01	6150	
0.05	0.06	0.02	2750	
0.10	0.09	0.03	1945	
0.15	0.11	0.03	1588	
0.20	0.13	0.04	1375	
0.30	0.16	0.05	1123	
0.40	0.18	0.06	972	
0.45	0.19	0.06	917	
0.50	0.20	0.06	870	
0.60	0.22	0.07	794	
0.80	0.26	0.08	688	
0.85	0.27	0.08	667	
0.90	0.28	0.08	648	
0.95	0.28	0.09	631	
1.00	0.29	0.09	615	
1.80	0.39	0.12	458	
1.90	0.40	0.12	446	
2.00	0.42	0.13	435	
2.40	0.46	0.14	397	
3.00	0.51	0.16	355	
4.00	0.60	0.18	308	
5.00	0.67	0.20	275	
6.00	0.74	0.22	251	
7.50	0.83	0.25	225	
8.00	0.86	0.26	217	
9.00	0.91	0.28	205	
10.00	0.97	0.29	194	
12.50	1.09	0.33	174	
15.00	1.20	0.37	159	
18.00	1.33	0.41	145	
20.00	1.41	0.43	138	
26.50	1.65	0.50	119	
33.00	1.86	0.57	107	

Display option:  Logarithmic scale

Please note: Attenuation values at +25°C ambient temperature and sea level \*  
Power values at +40°C ambient temperature and sea level \*\*  
To see the 'Attenuation and power graph' the [Adobe SVG Viewer](#) version 3.0 or higher must be installed.

Required plug-in:

## Tests

Jump to [\[Top\]](#)

Following tests have been passed successfully. For any details please contact your nearest [HUBER+SUHNER representative](#).

Test description  
Fire Test a

Specification / Paragraph / Method  
MIL-T-87104 - §4.6.4.8

..... [privacy policy](#) | [disclaimer](#) © 2005 HUBER+SUHNER

## Sucoflex 104

### Nominal attenuation and power

Jump to [\[Top\]](#)

Frequency	Attenuation*		Power**	Attenuation and power graph
[GHz]	[dB/m]	[dB/ft]	[W]	
0.01	0.02	0.01	9070	
0.05	0.05	0.02	4056	
0.10	0.07	0.02	2868	
0.15	0.09	0.03	2342	
0.20	0.10	0.03	2028	
0.30	0.13	0.04	1656	
0.40	0.15	0.05	1434	
0.45	0.16	0.05	1352	
0.50	0.17	0.05	1283	
0.60	0.18	0.06	1171	
0.80	0.21	0.06	1014	
0.85	0.22	0.07	984	
0.90	0.22	0.07	956	
0.95	0.23	0.07	931	
1.00	0.24	0.07	907	
1.80	0.32	0.10	676	
1.90	0.33	0.10	658	
2.00	0.34	0.10	641	
2.40	0.37	0.11	585	
3.00	0.42	0.13	524	
4.00	0.49	0.15	454	
5.00	0.55	0.17	406	

Display option:  Logarithmic scale

6.00	0.60	0.18	370
7.50	0.68	0.21	331
8.00	0.70	0.21	321
9.00	0.75	0.23	302
10.00	0.80	0.24	287
12.50	0.90	0.27	257
15.00	0.99	0.30	234
18.00	1.10	0.34	214
20.00	1.17	0.36	203
26.50	1.37	0.42	176

Please note: Attenuation values at +25°C ambient temperature and sea level \*  
Power values at +40°C ambient temperature and sea level \*\*  
To see the 'Attenuation and power graph' the [Adobe SVG Viewer](#) version 3.0 or higher must be installed.

Required plug-in:

**Tests** Jump to [\[Top\]](#)

Following tests have been passed successfully. For any details please contact your nearest [HUBER+SUHNER representative](#).

Test description: Fire Test a Specification / Paragraph / Method  
MIL-T-87104 - §4.6.4.8

..... [privacy policy](#) | [disclaimer](#) © 2005 HUBER+SUHNER

## Sucoflex 106

### Nominal attenuation and power Jump to [\[Top\]](#)

Frequency	Attenuation*	Power**	Attenuation and power graph
[GHz]	[dB/m]	[dB/ft]	[W]
0.01	0.02	0.00	15820
0.05	0.03	0.01	7075
0.10	0.05	0.01	5003
0.15	0.06	0.02	4085
0.20	0.07	0.02	3537
0.30	0.08	0.03	2888
0.40	0.10	0.03	2501
0.45	0.10	0.03	2358
0.50	0.11	0.03	2237
0.60	0.12	0.04	2042
0.80	0.14	0.04	1769
0.85	0.14	0.04	1716
0.90	0.15	0.05	1668
0.95	0.15	0.05	1623
1.00	0.16	0.05	1582
1.80	0.21	0.07	1179
1.90	0.22	0.07	1148
2.00	0.23	0.07	1119
2.40	0.25	0.08	1021
3.00	0.28	0.09	913
4.00	0.33	0.10	791
5.00	0.37	0.11	707
6.00	0.41	0.12	646
7.50	0.46	0.14	578
8.00	0.48	0.15	559
9.00	0.51	0.16	527
10.00	0.55	0.17	500
12.50	0.62	0.19	447
15.00	0.69	0.21	408
18.00	0.76	0.23	373

Display option:  Logarithmic scale

Please note: Attenuation values at +25°C ambient temperature and sea level \*  
Power values at +40°C ambient temperature and sea level \*\*  
To see the 'Attenuation and power graph' the [Adobe SVG Viewer](#) version 3.0 or higher must be installed.

Required plug-in:

**Tests** Jump to [\[Top\]](#)

Following tests have been passed successfully. For any details please contact your nearest [HUBER+SUHNER representative](#).

Test description: Fire Test a Specification / Paragraph / Method  
MIL-T-87104 - §4.6.4.8

..... [privacy policy](#) | [disclaimer](#) © 2005 HUBER+SUHNER