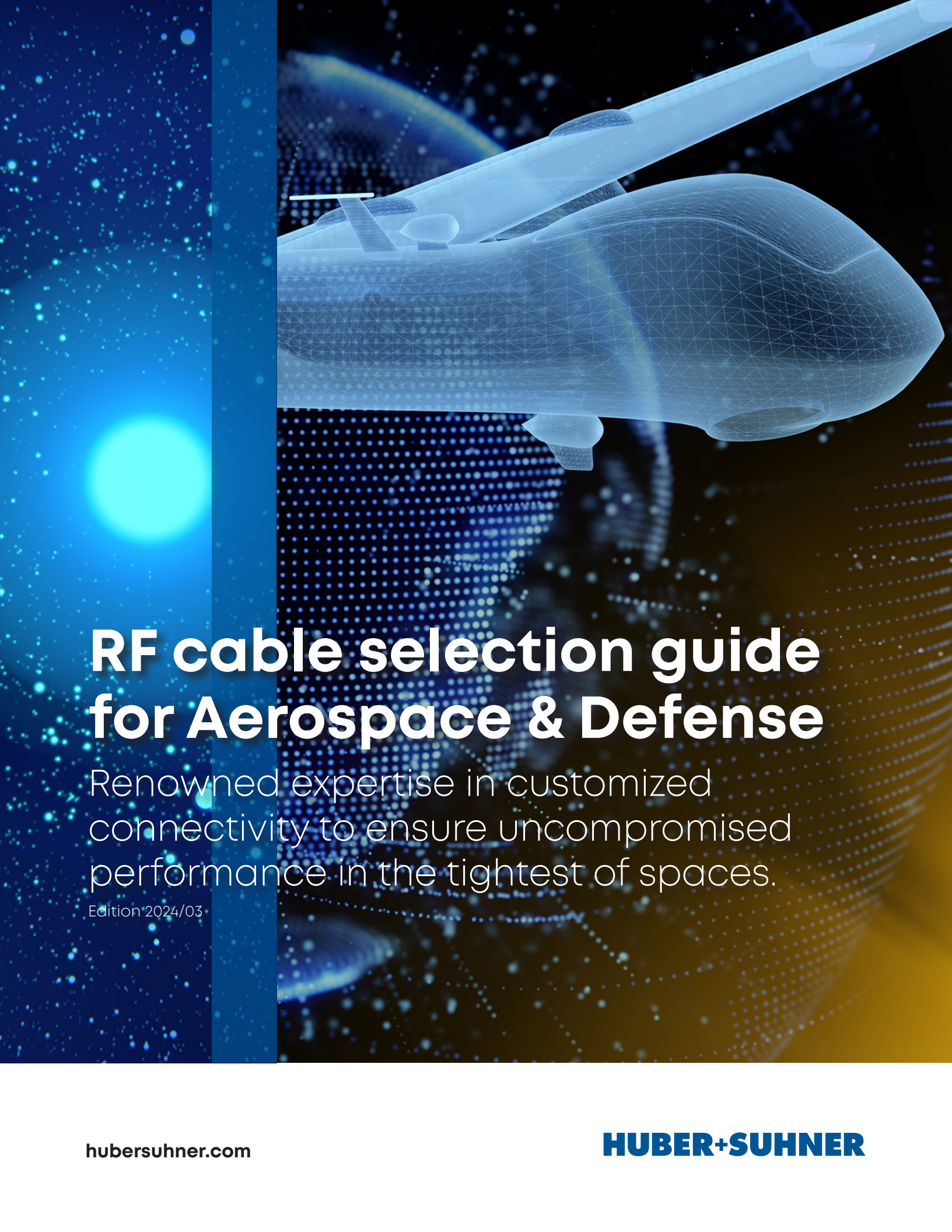


A wireframe model of a modern fighter jet is shown in profile, flying towards the right. The aircraft is rendered in a light blue, semi-transparent wireframe style, revealing its internal structure. It is set against a dark blue background filled with a dense field of small, glowing blue dots, resembling a star field or a digital data space. A bright, glowing blue sphere is visible on the left side of the frame. The overall composition is futuristic and high-tech.

RF cable selection guide for Aerospace & Defense

Renowned expertise in customized connectivity to ensure uncompromised performance in the tightest of spaces.

Edition 2024/03

Secure and robust turnkey interconnection solutions for mission-critical applications



HUBER+SUHNER offers a complete set of radio frequency and microwave cable assemblies for defense applications featuring the SUCOFLEX® 100, MULTIFLEX CT, SPUMA RS and MINIBEND® coaxial cable families and are all MIL qualified.

In addition, HUBER+SUHNER offers configurations that incorporate stainless steel 316L connectors, which offer outstanding mechanical durability and are able to withstand extremely harsh environments. These connectors include:

- SMA, TNC and N series
- Straight male, right angle male and bulkhead types

SUCOFLEX® 100



These assemblies offer superior electrical and mechanical performance for static and dynamic applications.

MULTIFLEX CT



Featuring best-in-class phase stability versus temperature in a range between -55°C and +125°C.

SPUMA RS



A highly flexible low loss coaxial cable for applications up to 6 GHz, is field mountable and full LSFH.

MINIBEND®



Allows bending immediately behind the connector - ideal for tight space requirements.

New additions to the HUBER+SUHNER RF coaxial portfolio



SUCOFLEX® 540, 540E, 540EA, 540S



- Frequency range up to 40 GHz
- New SK and PC2.4 connectors with excellent performance
- Long lifetime (>100'000 flex cycles)
- Excellent insertion loss
- Outstanding phase and amplitude stability with flexure and movement
- Short delivery time
- Excellent price-performance ratio

SUCOFLEX and Multiflex-CT TVAC



- Frequency range up to 70 GHz
- Broad range of outgassing free cables and connectors available
- Polyurethane jacket and armours
- Vented connectors
- Rotary swaged inner conductor
- Excellent phase stability, long flex life
- Excellent phase vs. temperature
- Armoured options available

Cables for MIL-DTL-17 QPL



- MIL-DTL-17 Qualified Products List
- Applicable up to 20 GHz
- Excellent VSWR performance
- Easy to form, strip and solder, thus making installation convenient
- Small sizes permit use in high-density areas

SR_86	SR_141
SMA, SK, SMP, SMPM	SMA

NANOBEND extension



- New assemblies with end-to-end TE-Compliant NanoRF® Jack connectors.
- Available with TE-Compliant NanoRF® connectors
- Provides end-to-end solutions that include TE-branded VITA blocks

MINI141 CT



- Outstanding phase stability vs. bending - phase vs. flexure of 0.1°/GHz
- Increased system accuracy over temperature change
- Flat phase change over temperature
- 900 ppm absolute phase change

MINI250 HB



MINI250 HB (rated up to 200 mrad) is now available as an alternative to the MINI250 H

RF cable selection guide (ft)

Cable type	Outer diameter (inch)	Frequency range (GHz)	VOP (%)	Typ. insertion loss (dB/ft)						
				@ 3 GHz	@ 6 GHz	@ 18 GHz	@ 40 GHz	@ 50 GHz	@ 60 GHz	@ 67 GHz
SUCOFLEX® 101	0.15	50	77	0.240	0.340	0.610	0.950	1.070	-	-
SUCOFLEX 101 P	0.15	50	77	0.340	0.490	0.910	1.460	1.680	-	-
SUCOFLEX 101 PE	0.15	50	77	0.340	0.490	0.910	1.460	1.680	-	-
SUCOFLEX 102	0.16	46	77	0.210	0.290	0.520	0.800	-	-	-
SUCOFLEX 102 I	0.16	46	77	0.210	0.290	0.520	0.800	-	-	-
SUCOFLEX 102 D	0.18	46	77	0.210	0.290	0.520	0.800	-	-	-
SUCOFLEX 103	0.18	33	77	0.160	0.230	0.410	-	-	-	-
SUCOFLEX 103 I	0.19	33	77	0.160	0.230	0.410	-	-	-	-
SUCOFLEX 103 D	0.20	33	77	0.160	0.230	0.410	-	-	-	-
SUCOFLEX 104	0.22	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 104 I	0.26	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 104 D	0.24	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 126	0.22	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 126E	0.22	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 106	0.31	18	77	0.090	0.130	0.240	-	-	-	-
SUCOFLEX 106 I	0.32	18	77	0.090	0.130	0.240	-	-	-	-
SUCOFLEX 106 D	0.33	18	77	0.090	0.130	0.240	-	-	-	-
SUCOFLEX 118	0.31	18	77	0.090	0.130	0.240	-	-	-	-
SUCOFLEX 118 I	0.32	18	77	0.090	0.130	0.240	-	-	-	-
SUCOFLEX 118 D	0.33	18	77	0.090	0.130	0.240	-	-	-	-
SUCOFLEX 229	0.20	29	82	0.126	0.181	0.326	-	-	-	-
SUCOFLEX 240	0.16	40	82	0.190	0.271	0.482	0.741	-	-	-
SUCOFLEX 301	0.14	18	77	0.240	0.340	0.610	-	-	-	-
SUCOFLEX 302 D	0.17	40	77	0.230	0.320	0.560	0.870	-	-	-
SUCOFLEX 304 D	0.24	18	77	0.150	0.210	0.370	-	-	-	-
SUCOFLEX 307	0.35	8	77	0.080	0.110	-	-	-	-	-
SUCOFLEX 329	0.20	29	82	0.126	0.181	0.326	-	-	-	-
SUCOFLEX 340	0.17	40	82	0.190	0.271	0.482	0.741	-	-	-
SUCOFLEX 526	0.22	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 526 E	0.22	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 526 S	0.30	27	77	0.130	0.190	0.340	-	-	-	-
SUCOFLEX 540	0.16	40	77	0.210	0.290	0.520	0.800	-	-	-
SUCOFLEX 540 E	0.16	40	77	0.210	0.290	0.520	0.800	-	-	-
SUCOFLEX 540 S	0.25	40	77	0.210	0.290	0.520	0.800	-	-	-
SUCOFLEX 550	0.15	50	77	0.240	0.340	0.610	0.950	1.070	-	-
SUCOFLEX 550 E	0.15	50	77	0.240	0.340	0.610	0.950	1.070	-	-
SUCOFLEX 550 S	0.24	50	77	0.240	0.340	0.610	0.950	1.070	-	-
SUCOFLEX 570	0.13	70	77	0.350	0.500	0.890	1.360	1.540	1.700	1.810
SUCOFLEX 570 E	0.13	70	77	0.350	0.500	0.890	1.360	1.540	1.700	1.810
SUCOFLEX 570S	0.23	70	77	0.350	0.500	0.890	1.360	1.540	1.700	1.810
Eacon 2C	0.15	18	77	0.202	0.289	0.517	-	-	-	-
Eacon 4C	0.22	18	77	0.127	0.184	0.335	-	-	-	-
Eacon 6C	0.30	18	77	0.086	0.125	0.233	-	-	-	-
NANOBEND	0.06	110	70	0.800	1.187	2.205	3.300	3.635	4.015	4.265

CW power (W)												
@ 1 GHz sea level / 40 °C	@ 18 GHz sea level / 40 °C	Min. temp. (°C)	Max. temp. (°C)	Min. bending radius (static) (inch)	Weight (lbs/ ft)	Dynamic applications	Phase stable vs. Temp.	Phase stable vs. Flexure	Halogen free	TVAC / TV	38999 suitable cable	Cable assembly only
296	70	-55	125	0.43	0.024					•		•
275	65	-55	125	0.43	0.022	•		•		•		•
59	14	-40	85	0.43	0.020	•				•		•
394	93	-55	125	0.47	0.027					•	•	•
250	59	-40	85	0.47	0.024				•		•	•
394	93	-55	125	0.59	0.030						•	•
615	145	-55	125	0.51	0.036					•	•	•
380	90	-40	85	0.51	0.036				•		•	•
615	145	-55	125	0.79	0.042						•	•
907	214	-55	125	0.63	0.049					•	•	•
600	141	-40	85	0.63	0.055				•		•	•
907	214	-55	125	0.79	0.065						•	•
907	214	-55	125	0.63	0.047	•		•		•		•
600	141	-40	85	0.63	0.044	•		•		•		•
1582	373	-55	125	0.94	0.095					•		•
928	219	-40	85	0.94	0.097				•			•
1582	373	-55	125	1.02	0.118							•
1582	373	-55	125	0.94	0.098	•		•		•		•
928	219	-40	85	0.94	0.098	•		•	•			•
1582	373	-55	125	1.02	0.105	•		•				•
1060	250	-55	165	0.91	0.041		•				•	•
636	150	-55	165	0.33	0.021		•					•
115	27	-55	125	0.59	0.016							•
394	93	-55	125	0.59	0.021							•
907	214	-55	125	0.79	0.038							•
1600	377	-55	150	1.97	0.089							•
1060	250	-65	150	0.91	0.027		•					•
850	200	-65	150	0.33	0.018		•					•
907	214	-55	125	0.63	0.047	•		•				•
600	141	-40	85	0.63	0.044	•		•				•
800	189	-55	125	1.00	0.097	•		•				•
394	93	-55	125	0.47	0.027	•		•				•
240	57	-40	85	0.47	0.024	•		•				•
394	93	-55	125	1.00	0.060	•		•				•
296	70	-55	125	0.43	0.024	•		•				•
200	47	-40	85	0.43	0.022	•		•				•
296	70	-55	125	1.00	0.052	•		•				•
171	40	-55	125	0.43	0.017	•		•		•		•
115	27	-40	85	0.43	0.013	•		•				•
135	32	-55	125	1.00	0.051	•		•				•
395	93	-55	200	0.47	0.026	•						
1032	244	-55	200	0.59	0.049	•						
1582	373	-55	200	0.94	0.099	•						
79	15	-55	200	0.20	0.010						•	•

continued...

RF cable selection guide (ft) [continued]

				Typ. insertion loss (dB/ft)						
Cable type	Outer diameter (inch)	Frequency range (GHz)	VOP (%)	@ 3 GHz	@ 6 GHz	@ 18 GHz	@ 40 GHz	@ 50 GHz	@ 60 GHz	@ 67 GHz
MICROBEND	0.08	90	70	0.669	0.958	1.717	2.648	2.999	3.625	-
MICROBEND L	0.08	85	76	0.493	0.700	1.227	1.859	2.087	2.298	-
MINIBEND® CT	0.10	70	81	0.436	0.631	1.157	-	-	-	-
MINIBEND	0.10	65	70	0.442	0.640	1.159	1.822	2.047	2.308	-
MINIBEND L	0.11	50	76	0.367	0.520	0.918	1.394	1.567	-	-
MINI141	0.15	40	76	0.213	0.305	0.549	0.823	-	-	-
MINI141 H (32021E)	0.15	45	77	0.245	0.349	0.619	-	-	-	-
MINI141 CT	0.14	40	80	0.242	0.128	0.647	0.371	-	-	-
MINI250 H	0.23	26	77	0.110	-	0.350	-	-	-	-
MINI250 HB	0.23	26	77	0.110	-	0.350	-	-	-	-
Everflex 32084	0.09	40	76	0.598	0.782	1.428	2.108	-	-	-
BoaFlex 32071	0.37	14	78	0.071	0.103	0.192	-	-	-	-
Multiflex 53 -02	0.07	100	70	0.604	0.871	1.584	2.489	2.835	3.156	3.370
Multiflex 86	0.10	40	71	0.405	0.588	1.086	1.735	-	-	-
Multiflex 141	0.16	33	71	0.223	0.330	0.636	-	-	-	-
Multiflex 141 CT	0.17	33	84	0.175	0.258	0.493	-	-	-	-
Multiflex 210 CT	0.20	30	84	0.147	0.219	0.425	-	-	-	-
Multiflex 318 CT	0.30	18	84	0.098	0.148	0.304	-	-	-	-
Miniflex 36 LA	0.04	6	76	0.833	1.221	-	-	-	-	-
Sucoform_47_CU	0.05	40	71	0.634	0.918	1.68	2.67	-	-	-
Sucoform 86	0.08	40	71	0.368	0.542	1.032	1.699	-	-	-
Sucoform 141	0.14	33	71	0.224	0.338	0.678	-	-	-	-
Sucoform_250-01	0.25	18	71	0.139	0.214	0.442	-	-	-	-
Sucoform 141 CT	0.14	30	83	0.197	0.295	0.585	-	-	-	-
Sucoform 86 CT	0.08	40	80	0.333	0.496	0.970	1.637	-	-	-
SR_47	0.05	107	70	0.586	0.849	1.563	2.489	2.847	3.182	3.405
SR_86	0.09	40	70	0.345	0.509	0.974	1.611	-	-	-
SR_86-QPL	0.09	20	70	0.378	0.580	1.202	-	-	-	-
SR_118	0.12	40	80	0.208	0.299	0.535	0.830	-	-	-
SR_141	0.14	33	70	0.208	0.316	0.639	-	-	-	-
SR_141-QPL	0.14	20	70	0.215	0.325	0.653	-	-	-	-
SR_250	0.25	18	70	0.133	0.210	0.455	-	-	-	-
SR_141 CT	0.14	33	83	0.198	0.290	0.549	-	-	-	-
SR_86 CT	0.09	40	80	0.297	0.430	0.790	1.253	-	-	-
Enviroflex_178	0.07	3	71	0.946	-	-	-	-	-	-
Enviroflex_178_D	0.10	6	70	0.946	1.458	-	-	-	-	-
Enviroflex_316	0.10	3	71	0.566	-	-	-	-	-	-
Enviroflex_316_D	0.12	6	70	0.523	0.809	-	-	-	-	-
Enviroflex_142	0.20	6	71	0.322	0.532	-	-	-	-	-
Enviroflex_400	0.20	6	70	0.342	0.560	-	-	-	-	-
Enviroflex_393	0.40	6	71	0.195	0.338	-	-	-	-	-
Enviroflex_179	0.10	3	70	0.513	-	-	-	-	-	-
Spuma_240-RS-FR	0.24	6	85	0.161	0.236	-	-	-	-	-
Spuma_400-RS-FR	0.40	6	85	0.082	0.119	-	-	-	-	-
Spuma_195-FR-01	0.19	8	76	0.214	0.311	-	-	-	-	-
Spuma_240-FR-01	0.24	6	83	0.144	0.208	-	-	-	-	-
Spuma_400-FR-01	0.40	8	85	0.073	0.107	-	-	-	-	-
Spuma_500-FR-01	0.50	8	86	0.061	0.089	-	-	-	-	-
Spuma_600	0.59	6	85	0.049	0.073	-	-	-	-	-

CW power (W)												
@ 1 GHz sea level / 25 °C	@ 18 GHz sea level / 25 °C	Min. temp. (°C)	Max. temp. (°C)	Min. bending radius (static) (inch)	Weight (lbs/ ft)	Dynamic applications	Phase stable vs. Temp.	Phase stable vs. Flexure	Halogen free	TVAC / TV	38999 suitable cable	Cable assembly only
111	26	-55	200	0.06	0.008					•		•
-	33	-55	200	0.20	0.007					•		
201	47	-55	200	0.20	0.003	•	•			•	•	•
173	41	-55	200	0.20	0.010					•		•
288	68	-55	200	0.25	0.011					•	•	•
590	139	-55	200	0.33	0.021					•		•
510	120	-55	200	0.33	0.008	•				•		•
-	65	-55	125	0.33	0.006		•	•				•
-	261	-55	200	0.89	0.050							
-	261	-55	200	0.89	0.050							
192	45	-55	200	-	0.007	•						•
3300	-	-65	200	2.00	0.043					•		•
30	7	-55	165	0.12	0.006	•						•
140	33	-65	165	0.24	0.014						•	
373	88	-65	165	0.39	0.030						•	
457	108	-65	200	0.47	0.019		•			•		•
628	148	-65	200	1.08	0.030		•			•		•
1350	318	-65	200	1.67	0.060		•			•		•
28	7	-55	200	0.06	0.002							
32	8	-65	165	0.13	0.037							
94	38	-65	165	0.24	0.010							
484	114	-65	165	0.31	0.026							
920	217	-65	165	1.18	0.084							
360	85	-65	200	0.31	0.022		•					
165	39	-65	200	0.24	0.011		•					
32	8	-55	100	0.13	0.005							
130	31	-55	125	0.13	0.015							
130	31	-40	125	0.13	0.015							
598	141	-55	125	0.38	0.023							
450	106	-55	125	0.25	0.034							
450	106	-40	125	0.25	0.034							
1400	330	-55	100	0.37	0.106							
364	86	-55	200	0.39	0.012		•					
133	31	-55	200	0.13	0.006		•					
60	-	-40	105	0.20	0.004				•			
60	-	-40	105	0.20	0.008				•			
90	-	-40	105	0.20	0.011				•			
110	-	-40	105	0.20	0.014				•			
225	-	-40	105	1.18	0.040				•			
225	-	-40	105	0.39	0.040				•			
495	-	-40	105	1.18	0.121				•			
45	-	-40	105	0.20	0.075				•			
230	-	-40	85	0.55	0.036				•			
560	-	-40	85	0.98	0.095				•			
160	-	-40	85	0.39	0.027				•			
260	-	-40	85	0.55	0.041				•			
600	-	-40	85	0.98	0.077				•			
750	-	-40	85	1.34	0.120				•			
930	-	-40	85	1.50	0.134				•			

RF cable selection guide (m)

				Typ. insertion loss (dB/m)						
Cable type	Outer diameter (mm)	Frequency range (GHz)	VOP (%)	@ 3 GHz	@ 6 GHz	@ 18 GHz	@ 40 GHz	@ 50 GHz	@ 60 GHz	@ 67 GHz
SUCOFLEX 101	3.7	50	77	0.787	1.115	2.001	3.117	3.510	-	-
SUCOFLEX 101 P	3.7	50	77	1.115	1.608	2.986	4.790	5.512	-	-
SUCOFLEX 101 PE	3.7	50	77	1.115	1.608	2.986	4.790	5.512	-	-
SUCOFLEX 102	4.0	46	77	0.689	0.951	1.706	2.625	-	-	-
SUCOFLEX 102 I	4.0	46	77	0.689	0.951	1.706	2.625	-	-	-
SUCOFLEX 102 D	4.6	46	77	0.689	0.951	1.706	2.625	-	-	-
SUCOFLEX 103	4.6	33	77	0.525	0.755	1.345	-	-	-	-
SUCOFLEX 103 I	4.8	33	77	0.525	0.755	1.345	-	-	-	-
SUCOFLEX 103 D	5.1	33	77	0.525	0.755	1.345	-	-	-	-
SUCOFLEX 104	5.5	26.5	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 104 I	6.6	26.5	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 104 D	6.1	26.5	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 126	5.5	26.5	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 126E	5.5	26.5	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 106	7.9	18	77	0.295	0.427	0.787	-	-	-	-
SUCOFLEX 106 I	8.2	18	77	0.295	0.427	0.787	-	-	-	-
SUCOFLEX 106 D	8.3	18	77	0.295	0.427	0.787	-	-	-	-
SUCOFLEX 118	7.9	18	77	0.295	0.427	0.787	-	-	-	-
SUCOFLEX 118 I	8.2	18	77	0.295	0.427	0.787	-	-	-	-
SUCOFLEX 118 D	8.3	18	77	0.295	0.427	0.787	-	-	-	-
SUCOFLEX 229	5.1	29	82	0.413	0.594	1.070	-	-	-	-
SUCOFLEX 240	4.1	40	82	0.623	0.889	1.581	2.431	-	-	-
SUCOFLEX 301	3.5	18	77	0.787	1.115	2.001	-	-	-	-
SUCOFLEX 302 D	4.3	40	77	0.755	1.050	1.837	2.854	-	-	-
SUCOFLEX 304 D	6.0	18	77	0.492	0.689	1.214	-	-	-	-
SUCOFLEX 307	9.0	8.0	77	0.262	0.361	-	-	-	-	-
SUCOFLEX 329	5.1	29	82	0.413	0.594	1.070	-	-	-	-
SUCOFLEX 340	4.2	40	82	0.623	0.889	1.581	2.431	-	-	-
SUCOFLEX 526	5.5	27	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 526 E	5.5	27	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 526 S	7.7	26.5	77	0.427	0.623	1.115	-	-	-	-
SUCOFLEX 540	4.0	40.0	77	0.689	0.951	1.706	2.625	-	-	-
SUCOFLEX 540 E	4.0	40.0	77	0.689	0.951	1.706	2.625	-	-	-
SUCOFLEX 540 S	6.4	40	77	0.689	0.951	1.706	2.625	-	-	-
SUCOFLEX 550	3.7	50	77	0.787	1.115	2.001	3.117	3.510	-	-
SUCOFLEX 550 E	3.7	50	77	0.787	1.115	2.001	3.117	3.510	-	-
SUCOFLEX 550 S	6.1	50	77	0.787	1.115	2.001	3.117	3.510	-	-
SUCOFLEX 570	3.3	70	77	1.148	1.640	2.920	4.462	5.052	5.577	5.938
SUCOFLEX 570 E	3.3	70	77	1.148	1.640	2.920	4.462	5.052	5.577	5.938
SUCOFLEX 570S	5.8	70	77	1.148	1.640	2.920	4.462	5.052	5.577	5.938
Eacon 2C	3.8	18	77	0.663	0.948	1.696	-	-	-	-
Eacon 4C	5.7	18	77	0.417	0.604	1.099	-	-	-	-
Eacon 6C	7.7	18	77	0.282	0.410	0.764	-	-	-	-
NANO BEND	1.62	110	70	2.62	3.89	7.23	10.83	11.93	13.17	13.99

CW power (W)												
@ 1 GHz sea level / 40 °C	@ 18 GHz sea level / 40 °C"	Min. temp. (°C)	Max. temp. (°C)	Min. bending radius (static) (mm)	Weight (g/m)	Dynamic applications	Phase stable vs. Temp.	Phase stable vs. Flexure	Halogen free	TVAC / TV	38999 suitable cable	Cable assembly only
296	70	-55	125	11	36.0					•		•
275	65	-55	125	11	33.0	•		•		•		•
59	14	-40	85	11	30.0	•				•		•
394	93	-55	125	12	40.0					•	•	•
250	59	-40	85	12	36.0				•		•	•
394	93	-55	125	15	45.0						•	•
615	145	-55	125	13	53.0					•	•	•
380	90	-40	85	13	53.0				•		•	•
615	145	-55	125	20	63.0						•	•
907	214	-55	125	16	73.0					•	•	•
600	141	-40	85	16	82.0				•		•	•
907	214	-55	125	20	96.0						•	•
907	214	-55	125	16	70.0	•		•		•		•
600	141	-40	85	16	66.0	•		•		•		•
1582	373	-55	125	24	142.0					•		•
928	219	-40	85	24	144.0				•			•
1582	373	-55	125	26	175.0							•
1582	373	-55	125	24	146.0	•		•		•		•
928	219	-40	85	24	146.0	•		•	•			•
1582	373	-55	125	26	157.0	•		•				•
1060	250	-55	165	23	61.0		•				•	•
636	150	-55	165	8.4	31.0		•					•
115	27	-55	125	15	23.9							•
394	93	-55	125	15	31.0							•
907	214	-55	125	20	56.0							•
1600	377	-55	150	50	133.0							•
1060	250	-65	150	23	40.0		•					•
850	200	-65	150	8.4	27.0		•					•
907	214	-55	125	16.0	70.0	•		•				•
600	141	-40	85	16.0	66.0	•		•				•
800	189	-55	125	25.4	144.0	•		•				•
394	93	-55	125	12.0	40.0	•		•				•
240	57	-40	85	12.0	36.0	•		•				•
394	93	-55	125	25.4	90.0	•		•				•
296	70	-55	125	11.0	36.0	•		•				•
200	47	-40	85	11.0	33.0	•		•				•
296	70	-55	125	25.4	78.0	•		•				•
171	40	-55	125	11.0	25.0	•		•		•		•
115	27	-40	85	11.0	20.0	•		•				•
135	32	-55	125	25.4	76.0	•		•				•
395	93	-55	200	12	39.0	•						
1032	244	-55	200	15	73.0	•						
1582	373	-55	200	24	148.0	•						
79	15	-55	200	5.1	14.9						•	•

continued...

RF cable selection guide (m) [continued]

				Typ. insertion loss (dB/m)						
Cable type	Outer diameter (inch)	Frequency range (GHz)	VOP (%)	@ 3 GHz	@ 6 GHz	@ 18 GHz	@ 40 GHz	@ 50 GHz	@ 60 GHz	@ 67 GHz
MICROBEND	2.00	90	70	1.815	2.6	4.67	7.23	8.193	9.084	9.673
MICROBEND L	2.00	85	76	1.42	2.019	3.54	5.36	6.027	6.634	7.032
MINIBEND CT	2.50	70	81	1.736	2.5	4.54	7.13	-	-	-
MINIBEND	2.50	65	70	1.3	1.878	3.41	5.357	6.098	6.789	-
MINIBEND L	2.70	50	76	1.075	1.531	2.697	4.099	4.614	-	-
MINI141	3.70	40	76	0.667	0.954	1.698	2.609	-	-	-
MINI141 H (32021E)	3.70	45	77	0.764	1.091	1.93	2.957	-	-	-
MINI141 CT	3.60	40	80	0.95	1.392	2.618	4.261	-	-	-
MINI250 H	5.72	26	77	0.423	0.608	1.095	-	-	-	-
MINI250 HB	5.72	26	77	0.423	0.608	1.095	-	-	-	-
Everflex 32084	2.40	40	76	1.96	2.57	4.69	6.92	-	-	-
BoaFlex 32071	9.50	14	78	0.23	0.34	0.63	-	-	-	-
Multiflex 53 -02	1.74	100	70	1.98	2.86	5.20	8.17	9.30	10.36	11.06
Multiflex 86	2.65	40	71	1.33	1.93	3.56	5.69	-	-	-
Multiflex 141	4.1	33	71	0.73	1.08	2.09	-	-	-	-
Multiflex 141 CT	4.2	33	84	0.57	0.85	1.62	-	-	-	-
Multiflex 210 CT	5.0	30	84	0.48	0.72	1.40	-	-	-	-
Multiflex 318 CT	7.5	18	84	0.32	0.49	1.00	-	-	-	-
Miniflex 36 LA	1.0	6	76	2.73	4.01	-	-	-	-	-
Sucoform_47_CU	1.2	40	71	2.080	3.012	5.518	8.750	-	-	-
Sucoform 86	2.1	40	71	1.207	1.778	3.386	5.574	-	-	-
Sucoform 141	3.6	33	71	0.735	1.109	2.224	-	-	-	-
Sucoform_250-01	6.3	18	71	0.456	0.702	1.450	-	-	-	-
Sucoform 141 CT	3.58	30	83	0.646	0.968	1.919	-	-	-	-
Sucoform 86 CT	2.15	40	80	1.093	1.627	3.182	5.371	-	-	-
SR_47	1.2	107	69.5	1.923	2.787	5.128	8.166	9.341	10.440	11.170
SR_86	2.2	40	69.5	1.132	1.670	3.196	5.285	-	-	-
SR_86-QPL	2.2	20	69.5	1.240	1.903	3.944	-	-	-	-
SR_118	3.0	40	80	0.682	0.981	1.755	2.723	-	-	-
SR_141	3.6	33	69.5	0.682	1.037	2.096	-	-	-	-
SR_141-QPL	3.6	20	69.5	0.705	1.066	2.142	-	-	-	-
SR_250	6.4	18	69.5	0.436	0.689	1.493	-	-	-	-
SR_141 CT	3.58	33	83	0.650	0.951	1.801	-	-	-	-
SR_86 CT	2.20	40	80	0.974	1.411	2.592	4.111	-	-	-
Enviroflex_178	1.84	3	71	3.105	-	-	-	-	-	-
Enviroflex_178_D	2.45	6	70	3.105	4.783	-	-	-	-	-
Enviroflex_316	2.54	3	71	1.858	-	-	-	-	-	-
Enviroflex_316_D	3.16	6	70	1.715	2.654	-	-	-	-	-
Enviroflex_142	5.00	6	71	1.058	1.746	-	-	-	-	-
Enviroflex_400	5.00	6	70	1.122	1.837	-	-	-	-	-
Enviroflex_393	10.05	6	71	0.641	1.109	-	-	-	-	-
Enviroflex_179	2.54	3	70	1.682	-	-	-	-	-	-
Spuma_240-RS-FR	6.17	6	85	0.528	0.774	-	-	-	-	-
Spuma_400-RS-FR	10.25	6	85	0.269	0.390	-	-	-	-	-
Spuma_195-FR-01	4.95	8	76	0.702	1.020	-	-	-	-	-
Spuma_240-FR-01	6.17	6	83	0.472	0.682	-	-	-	-	-
Spuma_400-FR-01	10.25	8	85	0.240	0.351	-	-	-	-	-
Spuma_500-FR-01	12.78	8	86	0.200	0.292	-	-	-	-	-
Spuma_600	14.99	6	85	0.161	0.240	-	-	-	-	-

CW power (W)												
@ 1 GHz sea level / 25 °C	@ 18 GHz sea level / 25 °C	Min. temp. (°C)	Max. temp. (°C)	Min. bending radius (static) (inch)	Weight (lbs/ ft)	Dynamic applications	Phase stable vs. Temp.	Phase stable vs. Flexure	Halogen free	TVAC / TV	38999 suitable cable	Cable assembly only
111	26	-55	200	1.5	11.9					•		•
-	33	-55	200	5.1	10.4					•		
201	47	-55	200	5.0	4.5	•	•			•	•	•
173	41	-55	200	5.1	14.9					•		•
288	68	-55	200	6.4	16.4					•	•	•
590	139	-55	200	8.4	31.3					•		•
510	120	-55	200	8.4	12.2	•				•		•
-	65	-55	125	8.4	9.5		•	•				•
-	261	-55	200	22.7	74.4							
-	261	-55	200	22.7	74.4							
192	45	-55	200	-	10.4	•						•
3300	-	-65	200	50.8	63.5					•		•
30	7	-55	165	3	8.5	•						•
140	33	-65	165	6	21.0						•	
373	88	-65	165	10	45.0						•	
457	108	-65	200	12	29.0		•			•		•
628	148	-65	200	27.50	45.0		•			•		•
1350	318	-65	200	42.50	90.0		•			•		•
28	7	-55	200	1.50	2.5							
32	8	-65	165	3	55.0							
94	38	-65	165	6	15.0							
484	114	-65	165	8	38.0							
920	217	-65	165	30	125.0							
360	85	-65	200	8	33.0		•					
165	39	-65	200	6	16.0		•					
32	8	-55	100	3.18	7.1							
130	31	-55	125	3.18	22.8							
130	31	-40	125	3.18	22.8							
598	141	-55	125	9.53	34.0							
450	106	-55	125	6.35	51.0							
450	106	-40	125	6.35	51.2							
1400	330	-55	100	10	158.0							
364	86	-55	200	10	18.0		•					
133	31	-55	200	3.18	9.3		•					
60	-	-40	105	5	6.5				•			
60	-	-40	105	5	11.2				•			
90	-	-40	105	5	16.0				•			
110	-	-40	105	5	21.0				•			
225	-	-40	105	30	60.0				•			
225	-	-40	105	10	60.0				•			
495	-	-40	105	30	180.0				•			
45	-	-40	105	5	111.0				•			
230	-	-40	85	14.0	54.0				•			
560	-	-40	85	25.0	142.0				•			
160	-	-40	85	10.0	39.7				•			
260	-	-40	85	14	61.0				•			
600	-	-40	85	25	115.0				•			
750	-	-40	85	34	178.0				•			
930	-	-40	85	38	200.0				•			



Connecting – today and beyond

HUBER+SUHNER AG
Degersheimerstrasse 14
CH-9100 Herisau
Switzerland
Phone +41 71 353 41 11
hubersuhner.com

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, OHSAS 18001, EN(AS) 9100, IATF 16949 and ISO/TS 22163 – IRIS.

Waiver

Fact and figures herein are for information only and do not represent any warranty of any kind.