

# RF cable selection guide

Cable type	Outer diameter [inch]	Frequency range [GHz]	VOP [%]	Max. insertion loss [dB/ft]				CW power [W]		Min. temperature [°C]	Max. temperature [°C]	Min. bending radius (static) [inch]	Weight [lbs/ft]	Dynamic applications	Qualified acc. MIL	Halogen free	Armouring	38999 suitable cable	Cable assembly only
				@ 3 GHz	@ 6 GHz	@ 18 GHz	@ 40 GHz	@ 1 GHz sea level / 25 °C	@ 18 GHz sea level / 25 °C										
SUCOFLEX 101	0.14	50	77	0.259	0.372	0.668	1.036	337	80	-55	125	0.43	0.024		•			•	•
SUCOFLEX 101 P	0.14	50	77	0.366	0.530	0.994	1.603	313	74	-55	125	0.43	0.022		•			•	•
SUCOFLEX 101 PE	0.14	50	77	0.366	0.530	0.994	1.603	67	16	-40	85	0.43	0.020	•	•			•	•
SUCOFLEX 102	0.16	46	77	0.223	0.320	0.570	0.881	448	106	-55	125	0.47	0.027		•			•	•
SUCOFLEX 102 I	0.16	46	77	0.223	0.320	0.570	0.881	284	67	-40	85	0.47	0.024		•	*)		•	•
SUCOFLEX 102 D	0.18	46	77	0.223	0.320	0.570	0.881	448	106	-55	125	0.59	0.030		•			•	•
SUCOFLEX 103	0.18	33	77	0.174	0.247	0.448		700	165	-55	125	0.51	0.036		•			•	•
SUCOFLEX 103 I	0.19	33	77	0.174	0.247	0.448		432	102	-40	85	0.51	0.036		•	*)		•	•
SUCOFLEX 103 D	0.20	33	77	0.174	0.247	0.448		700	165	-55	125	0.79	0.042		•			•	•
SUCOFLEX 104	0.22	26.5	77	0.140	0.204	0.369		1032	244	-55	125	0.63	0.048		•			•	•
SUCOFLEX 104 I	0.26	26.5	77	0.140	0.204	0.369		192	46	-40	85	0.63	0.055		•	*)		•	•
SUCOFLEX 104 D	0.24	26.5	77	0.140	0.204	0.369		1032	244	-55	125	0.63	0.050		•			•	•
SUCOFLEX 104 P	0.22	26.5	77	0.189	0.277	0.524		902	213	-55	125	0.63	0.046	•	•			•	•
SUCOFLEX 104 PE	0.22	26.5	77	0.189	0.277	0.524		168	40	-40	85	0.63	0.046	•	•			•	•
SUCOFLEX 106	0.31	18	77	0.094	0.140	0.259		1800	424	-55	125	0.94	0.105		•			•	•
SUCOFLEX 106 I	0.32	18	77	0.094	0.140	0.259		583	138	-40	85	0.94	0.096		•	*)			•
SUCOFLEX 106 D	0.33	18	77	0.094	0.140	0.259		1800	424	-55	125	0.94	0.117		•			•	•
SUCOFLEX 106 P	0.31	18	77	0.137	0.210	0.427		1574	371	-55	125	0.94	0.106	•	•			•	•
SUCOFLEX 229	0.20	29	82	0.134	0.192	0.344		1206	284	-55	125	0.90	0.041	•	•			•	•
SUCOFLEX 229 A	0.41	29	82	0.134	0.192	0.344		500	118	-40	85	1.18	0.101	•	•			•	•
SUCOFLEX 240	0.16	40	82	0.201	0.287	0.509	0.78	682	161	-55	125	0.33	0.021	•	•			•	•
SUCOFLEX 302 D	0.17	40	77	0.253	0.363	0.646	1.003	448	106	-55	125	0.59	0.022		•			•	•
SUCOFLEX 304 D	0.23	26.5	77	0.158	0.226	0.405		1032	244	-55	125	1.18	0.038		•			•	•
SUCOFLEX 329	0.2	29	82	0.134	0.192	0.344		1206	284	-65	165	0.91	0.028						
SUCOFLEX 340	0.16	40	82	0.201	0.287	0.509	0.78	682	161	-65	165	0.33	0.019						
SUCOFLEX 404	0.22	26.5	89	0.119	0.171	0.311		967	228	-55	125	0.98	0.048		•			•	•
SUCOFLEX 404 D	0.24	26.5	89	0.119	0.171	0.311		967	228	-55	125	1.18	0.055		•			•	•
SUCOFLEX 406	0.33	18	89	0.076	0.110	0.204		1890	445	-55	125	1.18	0.097		•			•	•
SUCOFLEX 406 D	0.34	18	89	0.076	0.110	0.204		1890	445	-55	125	1.57	0.104		•			•	•
EACON 4C	0.21	18	77	0.140	0.204	0.369		1032	244	-55	200	0.59	0.048		•			•	
EACON 6CI-010	0.32	18	77	0.094	0.140	0.259		583	138	-55	85	0.94	0.096		•				
MICROBEND	0.08	90	70.3	0.579	0.823	1.463	2.256	111	21	-65	150	0.06	0.008		•				•
MINIBEND	0.10	65	70.3	0.457	0.640	1.158	1.829	173	33	-65	150	0.2	0.010		•				•
MINIBEND L	0.10	50	76	0.335	0.488	0.884	1.311	288	61	-65	150	0.2	0.011		•				•
MINIBEND CTR	0.1	70	80.8	0.448	0.643	1.16	1.814	173	33	-65	150	0.2	0.01	•	•			•	•
MINI 141	0.14	40	76.3	0.213	0.305	0.549	0.823	590	126	-65	150	0.33	0.021		•				•
Everflex 32084	0.08	32	76	0.518	0.732	1.250		191	40	-65	200	**)	0.007	•	•				•
Everflex 32025	0.09	12	76	0.549	0.792			222		-65	200	**)	0.008	•	•				•
MULTIFLEX 53	0.07	100	71	0.637	0.917	1.670	2.630	34	8	-55	125	**)	0.013	•					•
MULTIFLEX 86	0.10	40	71	0.427	0.619	1.143	1.823	159	38	-65	165	0.25	0.014					•	
MULTIFLEX 141	0.16	33	71	0.247	0.363	0.701		424	100	-65	165	0.39	0.030					•	
SUCOFORM 86	0.08	40	71	0.405	0.597	1.137	1.871	184	43	-65	165	0.24	0.010						
SUCOFORM 141	0.14	33	71	0.247	0.372	0.747		484	114	-65	165	0.31	0.025						
SEMIRIGID 47	0.05	107	69.5	0.704	1.021	1.878	2.990	36	9	-55	100	0.13	0.005						
SEMIRIGID 86	0.09	40	69.5	0.415	0.613	1.170	1.935	148	35	-40	125	0.13	0.015						
SEMIRIGID 118	0.12	40	80	0.250	0.360	0.643	0.997	680	160	-40	125	0.38	0.021						
SEMIRIGID 141	0.14	33	69.5	0.250	0.381	0.768		512	121	-40	125	0.25	0.035						
SEMIRIGID 250	0.25	18	69.5	0.162	0.253	0.549		1593	376	-40	90	0.37	0.106						
ENVIROFLEX_178	0.07	3	70	1.033				68		-40	105	0.2	0.004			•			
ENVIROFLEX_178_D	0.10	6	70	1.033	1.582			68		-40	105	0.2	0.008			•			
ENVIROFLEX_316	0.10	3	70	0.622				102		-40	105	0.2	0.011			•			
ENVIROFLEX_316_D	0.12	6	70	0.585	0.930			125		-40	105	0.2	0.014			•			
ENVIROFLEX_400	0.20	6	70	0.369	0.564			256		-40	105	0.39	0.040			•			
ENVIROFLEX_142	0.20	6	70	0.360	0.570			256		-40	105	0.98	0.040			•			
ENVIROFLEX_393	0.40	6	70	0.213	0.372			563		-40	105	1.18	0.121			•			
SPUMA_195 / -FR	0.19	6	80	0.232	0.335			182		-40	85	0.49	0.020			•			
SPUMA_240 / -FR	0.24	6	84	0.155	0.229			196		-40	85	0.75	0.034			•			
SPUMA_400 / -FR	0.40	6	85	0.079	0.118			683		-40	85	0.98	0.063			•			
SPUMA_500 / -FR	0.50	6	85	0.064	0.096			685		-40	85	1.34	0.120			•			
SPUMA_600	0.59	6	85	0.055	0.079			1058		-40	85	1.5	0.134			•			

\*) LSFH only on jacket / dielectric contains fluor (PTFE)

\*\*) please ask our local sales rep for additional

## Product selection

EVALUATE with our product finder



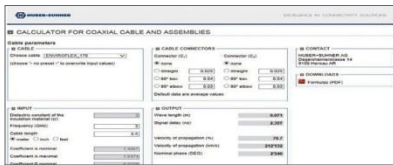
By using our «product finder» please choose the suitable cable, connector, adaptor, EMP or antenna. You will find this utility with following link: <http://products.hubersuhner.com>

CONFIGURE with the assembly configurator



By using the «RF assembly configurator» you can define the suitable assembly. You will find this utility with following link: <http://rfwebpcf.hubersuhner.com>

CALCULATE with the assembly calculator



Define the suitable assembly by using the «RF assembly calculator». You will find this utility with following link: <http://rfcablecalc.hubersuhner.com>

CALCULATE with the EMP calculator



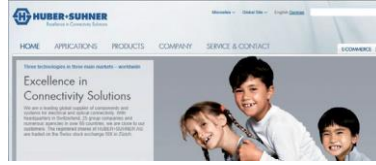
Select the best protector by using the «EMP calculator tool». You will find this utility with following link: <http://empselector.hubersuhner.com/>

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## Product information

Homepage HUBER+SUHNER



The company side shows you a lot of information about HUBER+SUHNER and the product portfolio. <http://www.hubersuhner.com>

Microsite Aerospace+Defense



On the specific microsite for aerospace and defense you find all information about the aerospace+defense solutions. <http://aerospacedefense.hubersuhner.com>

Ipad / Android App with all catalogues up to date



The free-of-charge 'PDFFolio' app fits hand-in-glove with the HUBER+SUHNER portfolio, and is now available in the Apple App Store / Google store.

Online Catalogues



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

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