

RF cable selection guide (m)

Cable type	Outer diameter (mm)	Frequency range (GHz)	VOP (%)	Typ. insertion loss (dB/m)						
				@ 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						•	•	

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RF cable selection guide (m) [continued]

Cable type	Outer diameter (inch)	Frequency range (GHz)	VOP (%)	Typ. insertion loss (dB/m)						
				@ 3 GHz	@ 6 GHz	@ 18 GHz	@ 40 GHz	@ 50 GHz	@ 60 GHz	@ 67 GHz
MICROBEND	2.00	90	70	2.19	3.14	5.63	8.69	9.84	11.89	-
MICROBEND L	2.00	85	76	1.62	2.30	4.03	6.10	6.85	7.54	-
MINIBEND CT	2.50	70	81	1.43	2.07	3.80	-	-	-	-
MINIBEND	2.50	65	70	1.45	2.10	3.80	5.98	6.72	7.57	-
MINIBEND L	2.70	50	76	1.20	1.71	3.01	4.57	5.14	-	-
MINI141	3.70	40	76	0.70	1.00	1.80	2.70	-	-	-
MINI141 H (32021E)	3.70	45	77	0.80	1.15	2.03	-	-	-	-
MINI141 CT	3.60	40	80	0.79	0.42	2.12	1.22	-	-	-
MINI250 H	5.72	26	77	0.36	-	1.15	-	-	-	-
MINI250 HB	5.72	26	77	0.36	-	1.15	-	-	-	-
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				•			