

Comparison of 50 Ω HUBER+SUHNER microwave cables

HUBER+SUHNER cable type	Flexibility				Mechanical properties				Electrical properties					General		
	Form-stable	Handformable	Flexible, static applications	High flexible, dynamic applications	Min. bending radius, static (mm)	Min. bending radius, dynamic (mm)	Outer diameter (mm)	Weight (kg/100 m)	Operating frequency (GHz)	Velocity of Propagation (%)	Nom. attenuation (dB/m, 18 GHz, 25 °C)	Min. screen. effectiveness (dB/m, 18 GHz)	Max. power (Watt, 18 GHz, 40 °C)	Temperature range (°C)	Assemblies only	More information see page
SEMI-RIGID (copper)																
EZ_47-TP/M17	•				3.18	n/a	1.19	0.71	40	69.5	5.1	120	7	-40	+100	20
EZ_86-TP/M17	•				3.18	n/a	2.20	2.35	40	69.5	3.2	120	30	-40	+125	24
EZ_118-TP	•				9.53	n/a	2.95	3.40	40	80	1.8	120	141	-40	+125	28
EZ_141-TP/M17	•				6.53	n/a	3.58	5.22	33	69.5	2.1	120	106	-40	+125	30
EZ_250-TP/M17	•				19	n/a	6.35	15.80	18	69.5	1.5	120	330	-40	+90	34
SEMI-RIGID (aluminium)																
EZ_47-AL-TP	•				1.27	n/a	1.19	0.31	40	69.5	5.4	120	7	-40	+100	22
EZ_86-AL-TP/M17	•				1.78	n/a	2.20	1.19	40	69.5	3.3	120	30	-40	+125	26
EZ_141-AL-TP/M17	•				3.18	n/a	3.58	3.05	33	69.5	2.2	120	106	-40	+125	32
EZ_250-AL-TP	•				19	n/a	6.35	8.86	18	69.5	1.5	120	330	-40	+90	36
SUCOFORM																
SUCOFORM_47_CU	•				3.18	n/a	1.20	0.60	40	71	5.4	100	7.5	-65	+165	46
SUCOFORM_86	•				6	20	2.10	1.50	40	71	3.4	100	38	-65	+165	48
SUCOFORM_141	•				8	40	3.58	3.80	33	71	2.2	100	100	-65	+165	50
SUCOFORM_250-01	•				30	120	6.05	11.40	18	71	1.4	100	217	-65	+165	56
MULTIFLEX																
MULTIFLEX_86		•			6	20	2.65	2.10	40	71	3.6	90	33	-65	+165	66
MULTIFLEX_141		•			10	40	4.14	4.50	33	71	2.1	90	88	-65	+165	68
S-SERIES																
S_04272_B		•			25	90	5.50	4.40	18	82	1.6	90	28	-40	+85	76
S_04212_B		•			25	90	5.53	4.10	18	82	1.6	90	28	-40	+85	78
S_04262_B-01		•			25	90	5.50	4.10	18	82	1.6	90	28	-40	+85	80
SUCOTEST 18																
		•			n/a	100	4.60	5.30	18	77	1.3	90	131	-55	+105	• 85
SUCOFLEX 100																
SUCOFLEX 101		•			11	20	3.65	3.60	50	77	2.0	90	70	-55	+165	• 92
SUCOFLEX 101P			•		11	20	3.65	3.30	50	77	3.0	90	65	-55	+165	• 94
SUCOFLEX 101PE			•		11	20	3.65	3.00	50	77	3.0	90	14	-40	+85	• 96
SUCOFLEX 102		•			12	20	4.00	4.00	46	77	1.7	90	93	-55	+165	• 100
SUCOFLEX 103		•			13	22	4.60	5.30	33	77	1.3	90	145	-55	+165	• 106
SUCOFLEX 104		•			16	25	5.50	8.40	26.5	77	1.1	90	214	-55	+165	• 110
SUCOFLEX 104P			•		16	25	5.50	6.90	26.5	77	1.6	90	187	-55	+165	• 112
SUCOFLEX 104PE			•		16	25	5.50	6.80	26.5	77	1.6	90	35	-40	+85	• 114
SUCOFLEX 106		•			24	40	7.90	15.70	18	77	0.8	90	373	-55	+165	• 120
SUCOFLEX 106P			•		24	40	7.90	15.80	18	77	1.3	90	326	-55	+165	• 122
SUCOFLEX 300																
SUCOFLEX 301		•			15	20	3.50	2.40	18	77	2.0	90	70	-55	+125	• 169
SUCOFLEX 302		•			20	30	3.70	2.90	18	77	1.9	90	93	-55	+125	• 172
SUCOFLEX 304		•			20	50	5.40	4.60	18	77	1.2	90	214	-55	+125	• 174

Selection Help

		Operating frequency (GHz)						
Flexibility		18.0	26.5	33.0	40.0	46.0	50.0	See Page
Form-stable	SEMI RIGID (copper)							
	EZ 47-TP/M17				●			20
	EZ 86-TP/M17				●			24
	EZ 118-TP				●			28
	EZ 141-TP/M17			●				30
	EZ 250-TP/M17	●						34
	SEMI RIGID (aluminium)							
	EZ 47-AL-TP				●			22
	EZ 86-AL-TP/M17				●			26
	EZ 141-AL-TP/M17			●				32
EZ 250-AL-TP	●						36	
Hand-formable	SUCOFORM							
	SUCOFORM 47_CU				●			46
	SUCOFORM 86				●			48
	SUCOFORM 141			●				50-54
SUCOFORM 250-01	●						56	
Flexible, static applications	MULTIFLEX							
	MULTIFLEX 86				●			66
	MULTIFLEX 141			●				68
	S-SERIES							
	S 04272 B	●						76
	S 04212 B	●						78
	S 04262B-01	●						80
	SUCOFLEX® 100							
	SUCOFLEX 101						●	92
	SUCOFLEX 102					●		100
	SUCOFLEX 103			●				106
	SUCOFLEX 104		●					110
	SUCOFLEX 106	●						120
	SUCOFLEX® 300							
SUCOFLEX 301	●						169	
SUCOFLEX 302	●						172	
SUCOFLEX 304	●						174	
High flexible, dynamic applications	SUCOTEST 18	●						86
	SUCOFLEX® 100							
	SUCOFLEX 101P						●	94
	SUCOFLEX 101PE						●	96
	SUCOFLEX 104P		●					112
	SUCOFLEX 104PE		●					114
SUCOFLEX 106P	●						122	