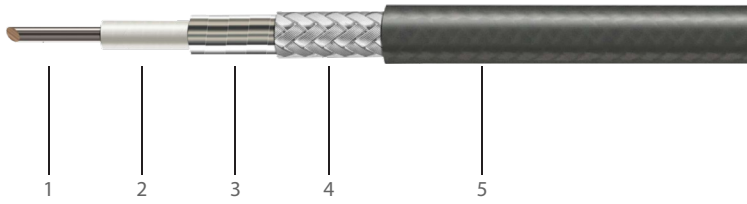


HA Series (High-Performance Low-Loss RF Cables)

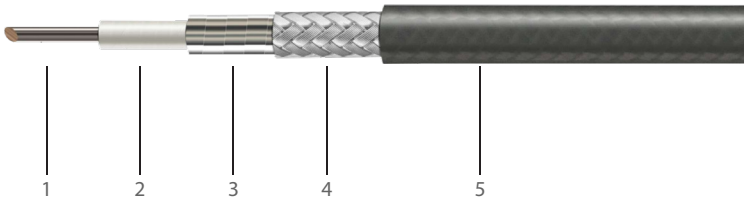


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Outer Conductor — Silver-Plated Copper Strip
4. Outer Shield — Silver-Plated Copper Braid
5. Jacket — Grey PFA or Custom

• Cable Specifications

Model	HA150	HA220	HA300	HA360	HA400	HA480						
Construction												
Inner Conductor	0.30	0.50	0.70	0.91	1.05	1.40						
Dielectric	0.88	1.38	1.93	2.50	2.85	3.80						
Outer Conductor	1.00	1.54	2.09	2.66	3.05	3.95						
Outer Shield	1.18	1.95	2.66	3.11	3.40	4.35						
Jacket	1.50	2.20	3.10	3.60	4.00	4.80						
Electrical Properties												
Maximum Frequency (GHz)	40	40	50	40	40	26.5						
Impedance (Nominal) (Ohms)	50	50	50	50	50	50						
Velocity of Propagation (Nominal) (%)	75	81	82	82	82	83						
Shielding Effectiveness (dB)	>90	>90	>90	>90	>90	>90						
Voltage under DC (V)	400	400	500	500	1500	1500						
Mechanical Properties												
Static Bend Radius (mm)	8	11	16	18	20	24						
Dynamic Bend Radius (mm)	15	22	31	36	40	48						
Weight (kg/m)	0.0054	0.016	0.027	0.033	0.036	0.055						
Temperature Range (°C)	-55~125	-55~125	-55~165	-55~165	-55~165	-55~165						
Attenuation (@25 °C) and Transmission Power (@40 °C)												
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	113.7	0.097	63.7	0.097	46.8	0.407	37.5	0.509	33.5	0.634	24.1	0.919
2000	161.6	0.068	90.8	0.068	66.6	0.286	53.4	0.385	47.5	0.047	34.2	0.646
3000	198.5	0.056	111.9	0.055	81.9	0.232	65.6	0.291	58.3	0.365	42.1	0.525
6000	282.9	0.039	160.4	0.039	117.1	0.163	93.8	0.203	82.8	0.257	60.1	0.368
8000	328.0	0.034	186.5	0.033	135.9	0.140	108.9	0.175	95.8	0.222	69.7	0.317
10000	368.0	0.030	209.8	0.029	152.6	0.125	122.3	0.156	107.2	0.198	78.3	0.282
12400	411.3	0.027	235.2	0.026	170.8	0.111	136.9	0.139	119.7	0.178	87.6	0.252
18000	499.3	0.022	287.1	0.022	207.9	0.092	166.7	0.155	144.7	0.147	106.6	0.207
26500	611.5	0.018	354.0	0.017	255.4	0.075	204.8	0.093	176.4	0.120	130.8	0.169
40000	760.4	0.015	444.0	0.014	318.9	0.060	255.7	0.075	218.1	0.097		
Matching Connector	1.0		2.4		2.4		2.92		2.92		3.5	

HA Series (High-Performance Low-Loss RF Cables)

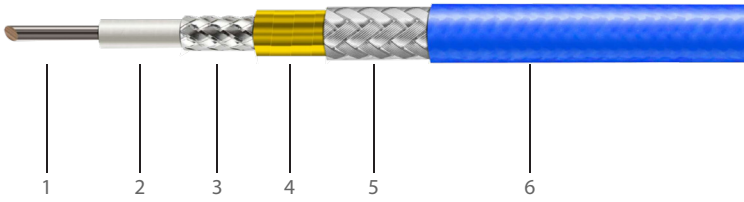


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Outer Conductor — Silver-Plated Copper Strip
4. Outer Shield — Silver-Plated Copper Braid
5. Jacket — Grey PFA or Custom

• Cable Specifications

Model	HA500	HA550	HA750	HA830	HA1000	HA1200						
Construction												
Inner Conductor	1.45	1.60	2.10	2.44	3.00	3.80						
Dielectric	3.99	4.30	5.70	6.50	8.24	10.30						
Outer Conductor	4.19	4.50	5.95	6.90	8.48	/						
Outer Shield	4.60	5.10	6.60	7.65	9.20		11.35					
Jacket	5.20	5.60	7.40	8.30	10.00	12.00						
Electrical Properties												
Maximum Frequency (GHz)	26.5	18	18	18	10	8						
Impedance (Nominal) (Ohms)	50	50	50	50	50	50						
Velocity of Propagation (Nominal) (%)	83	83	83	83	83	83						
Shielding Effectiveness (dB)	>90	>90	>90	>90	>90	>90						
Voltage under DC (V)	1500	2000	2500	2500	3000	3000						
Mechanical Properties												
Static Bend Radius (mm)	26	28	37	42	50	60						
Dynamic Bend Radius (mm)	52	56	74	83	100	120						
Weight (kg/m)	0.060	0.075	0.116	0.162	0.206	0.282						
Temperature Range (°C)	-55~165	-55~165	-55~165	-55~165	-55~105	-55~105						
Attenuation (@25 °C) and Transmission Power (@40 °C)												
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	23.4	0.919	22.3	1.024	16.7	1.740	13.3	1.894	10.4	2.289	10.0	2.320
2000	33.3	0.646	31.6	0.723	23.7	1.227	18.9	1.326	15.0	1.590	14.4	1.605
3000	41.0	0.525	38.8	0.589	29.1	1.000	23.4	1.075	18.7	1.281	18.0	1.289
6000	58.8	0.368	55.0	0.415	41.4	0.704	33.6	0.747	27.2	0.880	26.3	0.879
8000	67.9	0.317	63.6	0.359	47.9	0.608	39.1	0.641	31.9	0.750	31.0	0.747
10000	76.3	0.282	71.2	0.320	53.7	0.543	44.1	0.569	36.1	0.662	/	/
12400	85.4	0.252	79.5	0.287	59.9	0.487	49.5	0.507	/	/		
16000	/	/	90.5	0.252	68.2	0.427	56.9	0.442			/	/
18000			103.8	0.207	96.1	0.238	72.5	0.402	60.6	0.414		
Matching Connector	SMA		N		N		N		N		N	

HB Series (High-Performance Low-Loss RF Cables)

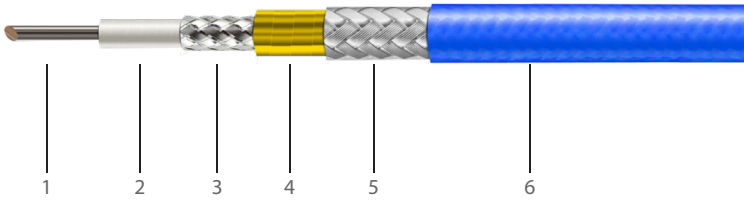


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Inner Shield — Silver-Plated Copper Strip
4. Interlayer — Aluminum Foil
5. Outer Shield — Silver-Plated Copper Braid
6. Jacket — Blue FEP

• Cable Specifications

Model	HB460		HB520		HB550		HB635	
Construction								
Inner Conductor	1.02		1.29		1.45		1.57	
Dielectric	3.07		3.85		4.18		4.72	
Inner Shield	3.27		4.05		4.42		4.96	
Interlayer	3.43		4.20		4.55		5.10	
Outer Shield	4.00		4.80		4.95		5.66	
Jacket	4.60		5.20		5.45		6.35	
Electrical Properties								
Maximum Frequency (GHz)	18		18		18		18	
Impedance (Nominal) (Ohms)	50		50		50		50	
Velocity of Propagation (Nominal) (%)	76		76		76		76	
Shielding Effectiveness (dB)	>90		>90		>90		>90	
Voltage under DC (V)	1000		1000		1000		2000	
Mechanical Properties								
Static Bend Radius (mm)	23		26		22		32	
Dynamic Bend Radius (mm)	46		52		55		64	
Weight (kg/m)	0.053		0.067		0.072		0.093	
Temperature Range (°C)	-55~200		-55~200		-55~200		-55~200	
Attenuation (@25 °C) and Transmission Power (@40 °C)								
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	35.4	0.569	27.7	0.750	26.3	0.810	22.2	1.020
2000	50.4	0.400	39.5	0.526	37.6	0.567	31.7	0.713
3000	62.0	0.324	48.7	0.426	46.3	0.460	39.2	0.557
6000	88.8	0.227	69.9	0.297	66.6	0.320	56.4	0.401
8000	103.2	0.195	81.3	0.255	77.5	0.275	65.8	0.344
10000	116.0	0.174	91.5	0.227	87.3	0.244	74.2	0.305
12400	129.9	0.155	102.7	0.202	97.9	0.218	83.4	0.271
16000	148.7	0.135	117.8	0.176	112.3	0.190	95.8	0.236
18000	158.3	0.127	125.5	0.165	119.8	0.178	102.2	0.211
Matching Connector	N		N		N		N	

HB Series (High-Performance Low-Loss RF Cables)

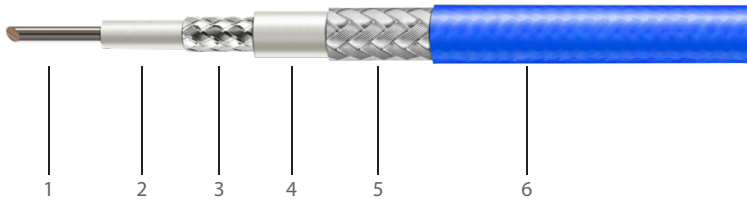


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Inner Shield — Silver-Plated Copper Strip
4. Interlayer — Aluminum Foil
5. Outer Shield — Silver-Plated Copper Braid
6. Jacket — Blue FEP

• Cable Specifications

Model	HB800		HB1000		HB1200		HB1500	
Construction								
Inner Conductor	2.06		2.44		3.50		4.40	
Dielectric	5.89		7.24		9.90		12.50	
Inner Shield	6.05		7.48		10.17		12.74	
Interlayer	6.17		7.61		10.30		12.85	
Outer Shield	6.81		8.19		11.02		13.60	
Jacket	7.62		9.30		12.00		14.70	
Electrical Properties								
Maximum Frequency (GHz)	18		10		10		6	
Impedance (Nominal) (Ohms)	50		50		50		50	
Velocity of Propagation (Nominal) (%)	76		76		76		76	
Shielding Effectiveness (dB)	>90		>90		>90		>90	
Voltage under DC (V)	2000		2500		3000		4000	
Mechanical Properties								
Static Bend Radius (mm)	38		47		60		74	
Dynamic Bend Radius (mm)	76		93		120		147	
Weight (kg/m)	0.130		0.193		0.300		0.432	
Temperature Range (°C)	-55~200		-55~200		-55~200		-55~200	
Attenuation (@25 °C) and Transmission Power (@40 °C)								
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	17.6	1.530	14.7	1.839	13.0	2.590	3.1	13.44
2000	25.2	1.098	21.1	1.279	18.7	1.797	5.4	7.650
3000	31.2	0.887	26.2	1.031	23.3	1.446	7.1	5.870
6000	45.1	0.613	30.6	0.883	27.2	1.238	9.1	4.590
8000	52.7	0.524	38.2	0.709	30.7	1.096	10.2	4.080
10000	59.5	0.464	41.5	0.651	33.9	0.991	14.8	2.818
12400	67.1	0.412	44.7	0.605	37.0	0.910	18.4	2.260
16000	77.3	0.358	47.7	0.567	39.8	0.844	24.5	1.703
18000	82.6	0.355	50.6	0.534	45.2	0.745	27.1	1.537
Matching Connector	N		N		N		N	

HC Series (High-Performance Low-Loss RF Cables)

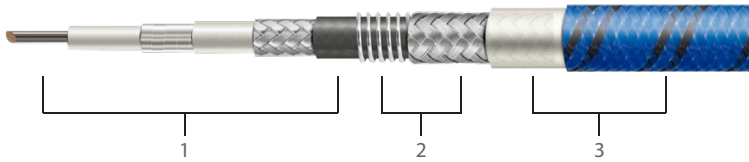


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Inner Shield — Silver-Plated Copper Strip
4. Interlayer — Low-Density PTFE
5. Outer Shield — Silver-Plated Copper Braid
6. Jacket — Blue FEP or Custom

• Cable Specifications

Model	HC150	HC220	HC360	HC400	HC500	HC800						
Construction												
Inner Conductor	0.30	0.50	0.72	1.02	1.44	2.39						
Dielectric	0.88	1.38	2.10	2.80	3.85	6.16						
Inner Shield	1.00	1.54	2.25	2.95	4.05	6.40						
Interlayer	1.25	1.82	2.25	3.20	4.30	6.70						
Outer Shield	1.50	2.17	3.01	3.62	4.65	7.25						
Jacket	1.85	2.45	3.60	4.20	5.10	7.80						
Electrical Properties												
Maximum Frequency (GHz)	110	67	50	40	26.5	18						
Impedance (Nominal) (Ohms)	50	50	50	50	50	50						
Velocity of Propagation (Nominal) (%)	75	81	76	81	82	82						
Shielding Effectiveness (dB)	>90	>90	>90	>90	>90	>90						
Voltage under DC (V)	400	500	500	500	2000	2000						
Mechanical Properties												
Static Bend Radius (mm)	9.5	12.5	18	21	25.5	39						
Dynamic Bend Radius (mm)	19	24.5	36	42	51	78						
Weight (kg/m)	0.008	0.016	0.031	0.040	0.055	0.123						
Temperature Range (°C)	-55~125	-55~125	-55~165	-55~165	-55~165	-55~165						
Attenuation (@25 °C) and Transmission Power (@40 °C)												
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	113.7	0.039	63.7	0.097	48.1	0.056	40.5	0.567	27.1	0.821	16.7	1.604
2000	161.6	0.027	90.8	0.068	68.3	0.356	57.6	0.399	38.9	0.573	23.8	1.125
3000	198.5	0.022	111.9	0.055	83.9	0.290	70.8	0.325	48.1	0.463	29.3	0.913
6000	282.9	0.016	160.4	0.039	119.4	0.204	100.8	0.228	69.6	0.320	42.1	0.637
8000	328.0	0.014	186.5	0.033	138.4	0.176	116.9	0.197	81.3	0.274	48.9	0.548
10000	/	/	209.8	0.029	155.2	0.157	131.2	0.175	91.9	0.242	55.0	0.487
12400	/	/	235.2	0.026	173.4	0.140	146.6	0.157	103.5	0.251	61.7	0.435
18000	499.3	0.009	287.1	0.022	210.2	0.116	178.0	0.129	127.4	0.175	75.3	0.356
26500	611.5	0.007	354.0	0.017	257.1	0.095	218.0	0.105	158.8	0.140	/	/
40000	760.4	0.006	444.0	0.014	319.2	0.076	271.2	0.085	/	/	/	/
Matching Connector	1.0		1.85		2.4		2.92		SMA		N	

HC-KJ Series (High-Performance Low-Loss RF Cables)



1. HC Cable — Silver-Plated Copper
2. Protect Layer — Silver-Plated Copper
3. Jacket — PTFE

• Cable Specifications

Model	HC150-KJ	HC220-KJ	HC360-KJ	HC400-KJ	HC500-KJ	HC800-KJ						
Construction												
HC Cable	1.85	2.45	3.60	4.20	5.10	7.80						
Protect Layer	2.70	3.60	5.10	5.75	6.70	9.45						
Jacket	3.90	4.80	6.10	6.70	7.60	10.40						
Electrical Properties												
Dynamic Bend radius (mm)	39	48	60	67	76	104						
Static Bend radius (mm)	19.5	24	30	33.5	38	52						
Mechanical Phase	±10°	±7°	±7°	±7°	±5°	±3°						
Amplitude Stability (dB)	±0.10	±0.05	±0.05	±0.05	±0.05	±0.05						
Weight (kg/m)	0.033	0.052	0.095	0.110	0.135	0.220						
Mechanical Properties												
Frequency Range (GHz)	DC-110	DC-67	DC-50	DC-40	DC-26.5	DC-18						
VSWR (GHz)	≤1.50@110	≤1.30@67	≤1.55@50	≤1.25@40	≤1.25@26.5	≤1.20@18						
Repeated bending	50,000 times	100,000 times	100,000 times	100,000 times	600,000 times	200,000 times						
Temperature Range (°C)	-55~125	-55~165	-55~125	-55~125	-55~125	-55~125						
Attenuation (@25 °C) and Transmission Power (@40 °C)												
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	113.7	0.039	63.7	0.097	48.1	0.056	40.5	0.567	27.1	0.821	16.7	1.602
2000	161.6	0.027	90.8	0.068	68.3	0.356	57.6	0.399	38.9	0.573	23.8	1.124
3000	198.5	0.022	111.9	0.055	83.9	0.290	70.8	0.325	48.1	0.463	29.3	0.912
6000	282.9	0.016	160.4	0.039	119.4	0.204	100.8	0.228	69.6	0.320	42.1	0.636
8000	328.0	0.014	186.5	0.033	138.4	0.176	116.9	0.197	81.3	0.274	48.9	0.547
10000	/	/	209.8	0.029	155.2	0.157	131.2	0.175	91.9	0.242	55.0	0.486
12400	/	/	235.2	0.026	173.4	0.140	146.6	0.157	103.5	0.251	61.7	0.434
18000	499.3	0.009	287.1	0.022	210.2	0.116	178.0	0.129	127.4	0.175	75.3	0.356
26500	611.5	0.007	354.0	0.017	257.1	0.095	218.0	0.105	158.8	0.140	/	/
40000	760.4	0.006	444.0	0.014	319.2	0.076	271.2	0.085	/	/	/	/
Matching Connector	1.0		1.85		2.4		2.92		SMA		N	

HE Series (High-Performance Low-Loss RF Cables)

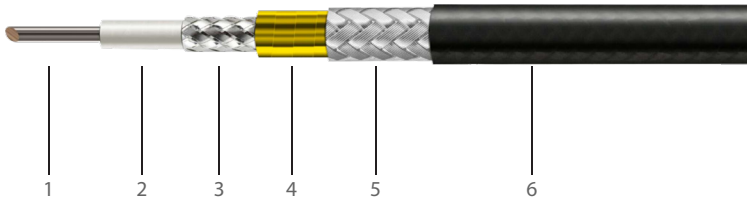


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — PTFE
3. Outer Conductor — Immersion Tin Copper/
Cu-Sn- ZnAlloy

• Cable Specifications

Model	HE020	HE034	HE047	HE086	HE141	HE250						
Construction												
Inner Conductor	0.13	0.20	0.29	0.53	0.94	1.63						
Dielectric	0.43	0.66	0.95	1.68	2.98	5.28						
Outer Conductor	0.58	0.86	1.22	2.18	3.58	6.35						
Electrical Properties												
Maximum Frequency (GHz)	40	40	40	40	26.5	18						
Impedance (Nominal) (Ohms)	50	50	50	50	50	50						
Velocity of Propagation (Nominal) (%)	70	70	70	70	70	70						
Shielding Effectiveness (dB)	>165	>165	>165	>165	>165	>165						
Voltage under DC (V)	100	100	100	500	500	500						
Mechanical Properties												
Static Bend Radius (mm)	1.27	1.60	4.20	7.00	10.00	30.00						
Weight (kg/m)	0.002	0.003	0.004	0.021	0.047	0.146						
Temperature Range (°C)	-55~125	-55~125	-55~125	-55~125	-55~125	-55~125						
Attenuation (@25 °C) and Transmission Power (@40 °C)												
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	240.1	0.064	157.9	0.102	113.6	0.147	64.9	0.256	38.2	0.335	22.5	0.542
2000	341.3	0.045	224.9	0.072	162.4	0.103	93.1	0.179	55.5	0.231	34.1	0.357
3000	419.6	0.037	277.1	0.058	200.5	0.083	115.2	0.144	69.3	0.185	44.0	0.277
6000	598.5	0.026	397.0	0.041	288.6	0.058	166.6	0.100	102.4	0.125	69.1	0.177
8000	694.2	0.022	461.5	0.035	336.4	0.050	194.7	0.085	120.8	0.106	84.0	0.145
10000	779.2	0.020	519.0	0.031	379.2	0.044	219.9	0.076	137.7	0.093	98.1	0.124
12400	871.3	0.018	581.6	0.028	425.9	0.039	247.6	0.067	156.4	0.082	114.2	0.107
18000	1058.6	0.015	709.6	0.023	522.0	0.032	304.9	0.055	195.9	0.065	149.7	0.082
26500	1298.0	0.012	874.5	0.018	649.9	0.026	379.9	0.044	249.2	0.051		
40000	1616.3	0.010	1096.0	0.015	816.3	0.020	482.7	0.034				
Matching Connector					2.92		2.92		SMA		N	

HY Series (High-Performance Low-Loss RF Cables)

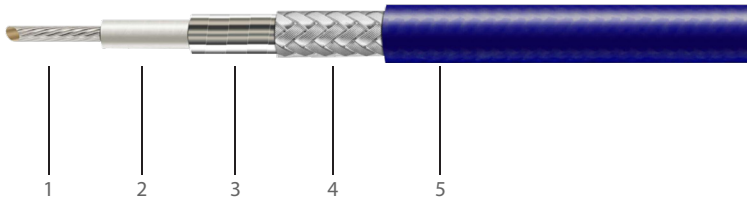


1. Inner Conductor — Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Inner Shield — Silver-Plated Copper Strip
4. Interlayer — Aluminum Foil
5. Outer Shield — Silver-Plated Copper Braid
6. Jacket — Rat-proof PUR

• Cable Specifications

Model	HY460		HY520		HY635		HY1000	
Construction								
Inner Conductor	1.02		1.29		1.57		2.44	
Dielectric	3.07		3.85		4.72		7.24	
Inner Shield	3.27		4.05		4.96		7.48	
Interlayer	3.43		4.20		5.10		7.61	
Outer Shield	4.00		4.80		5.66		8.19	
Jacket	4.60		6.00		7.20		10.15	
Electrical Properties								
Maximum Frequency (GHz)	18		18		18		10	
Impedance (Nominal) (Ohms)	50		50		50		50	
Velocity of Propagation (Nominal) (%)	76		76		76		76	
Shielding Effectiveness (dB)	>70		>70		>70		>70	
Voltage under DC (V)	1000		1000		2000		3000	
Mechanical Properties								
Static Bend Radius (mm)	25		30		36		51	
Dynamic Bend Radius (mm)	50		60		72		103	
Weight (kg/m)	0.057		0.070		0.100		0.205	
Temperature Range (°C)	-55~85		-55~85		-55~85		-55~85	
Attenuation (@25 °C) and Transmission Power (@40 °C)								
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	35.4	0.199	27.7	0.263	22.2	0.357	14.7	1.104
2000	50.4	0.140	39.5	0.184	31.7	0.250	21.1	0.786
3000	62.0	0.113	48.7	0.150	39.2	0.202	26.2	0.619
6000	88.8	0.079	69.9	0.104	56.4	0.140	38.2	0.426
8000	103.2	0.068	81.3	0.089	65.8	0.120	44.7	0.363
10000	116.0	0.061	91.5	0.079	74.2	0.107	50.6	0.321
12400	129.9	0.054	102.7	0.071	83.4	0.095		
16000	148.7	0.047	117.8	0.062	95.8	0.083		
18000	158.3	0.044	125.5	0.058	102.2	0.077		
Matching Connector	N		N		N		N	

HZ Series (High-Performance Low-Loss RF Cables)



1. Inner Conductor — Stranded Silver-Plated Copper
2. Dielectric — Low-Density PTFE
3. Outer Conductor — Silver-Plated Copper Strip
4. Outer Shield — Silver-Plated Copper Braid
5. Jacket — Blue PUR or custom

• Cable Specifications

Model	HZ360		HZ500		HZ600		HZ800	
Construction								
Inner Conductor	0.72		1.02		1.44		1.88	
Dielectric	2.05		3.00		4.15		5.50	
Outer Conductor	2.22		3.20		4.35		5.74	
Outer Shield	2.66		3.78		4.80		6.31	
Jacket	3.60		5.00		6.00		8.00	
Electrical Properties								
Maximum Frequency (GHz)	40		26.5		26.5		18	
Impedance (Nominal) (Ohms)	50		50		50		50	
Velocity of Propagation (Nominal) (%)	76		76		76		76	
Shielding Effectiveness (dB)	>90		>90		>90		>90	
Voltage under DC (V)	500		1000		1700		1700	
Mechanical Properties								
Static Bend Radius (mm)	18		25		30		40	
Dynamic Bend Radius (mm)	36		50		60		80	
Weight (kg/m)	0.027		0.051		0.072		0.116	
Temperature Range (°C)	-55~85		-55~85		-55~85		-55~85	
Attenuation (@25 °C) and Transmission Power (@40 °C)								
Frequency (MHz)	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW	dB/100 m	kW
1000	51.9	0.119	38.5	0.149	28.7	0.175	18.2	0.327
2000	74.4	0.083	55.9	0.103	41.2	0.122	26.7	0.222
3000	92.1	0.067	69.8	0.082	50.9	0.099	33.8	0.176
6000	133.4	0.046	103.2	0.056	73.6	0.068	50.9	0.117
8000	156.0	0.040	121.9	0.047	86.0	0.059	60.7	0.098
10000	176.4	0.035	139.0	0.041	97.1	0.052	69.8	0.085
12400	198.7	0.031	157.9	0.036	109.2	0.046	80.0	0.074
16000	244.9	0.025	/	/	/	/	/	/
18000	305.5	0.020	198.0	0.029	134.3	0.037	101.9	0.058
26500	388.8	0.016	252.1	0.023	167.2	0.030	/	/
Matching Connector	2.92		SMA		SMA		N	