

Bande UHF	Bande S-DAB	Bande L	Bande S	Bande C	Bande Ku	Bande Ka
235 MHz à 400 MHz	1,452 GHz à 1,492 GHz	1,518 GHz à 1,675 GHz	1,97 GHz à 2,03 GHz	3,4 GHz à 7,025 GHz	10,7 GHz à 14,5 GHz	17,3 GHz à 30 GHz

Ultra low-loss microwave cable assemblies Dc-40 Ghz



The high performance coaxial cables have been developed for applications where the demand is a minimum attenuation and VSWR. They have a solid inner conductor making them less appropriate for applications where a long flex-life is required. The high performance cables are available for frequencies from Dc up to 40 GHz.

ULTRA LOW LOSS COAXIAL CABLE up to 65 GHz	1501	1801	2301	2801
Inner conductor	CuAg OFHC	CuAg OFHC	CuAg OFHC	CuAg OFHC
Dielectric	PTFE Type F6 MIL-C-17	PTFE Type F6 MIL-C-17	PTFE Type F6 MIL-C-17	PTFE Type F6 MIL-C-17
Jacket	FEP ASTM D-2116 Ø 3.81 mm	FEP ASTM D-2116 Ø 4.83 mm	FEP ASTM D-2116 Ø 5.60 mm	FEP ASTM D-2116 Ø 7.40 mm
Minimum bend radius(stat)	19 mm	25.4 mm	31.8 mm	44.5 mm
Impedance	50 Ω (± 1 Ω)	50 Ω (± 1 Ω)	50 Ω (± 1 Ω)	50 Ω (± 1 Ω)
Cut off frequency	43 GHz	34 GHz	26.7 GHz	19.5 GHz
Velocity of propagation	80%	83%	83%	83%
Shielding effectiveness	100 dB / m (min)	100 dB / m (min)	100 dB / m (min)	100 dB / m (min)
Temperature range	- 65 °C (min) + 135 °C (max)	- 65 °C (min) + 135 °C (max)	- 65 °C (min) + 135 °C (max)	- 65 °C (min) + 135 °C (max)
Weight (Kg/Km)	32.8	55	55	116
ATTENUATION (DB/M)				
500 MHz	0.26	0.26	0.16	0.11
1 GHz	0.33	0.30	0.20	0.16
3 GHz	0.66	0.43	0.32	0.26
5 GHz	0.80	0.62	0.46	0.33
10 GHz	1.15	0.90	0.66	0.50
12 GHz	1.30	0.95	0.73	0.55
Ku band	1.16 dB@10.70 GHz 1.31 dB@12.75 GHz	0.92dB@10.70 GHz 0.97dB@12.75 GHz	0.67 dB@10.70 GHz 0.74 dB@12.75 GHz	0.51 dB@10.70 GHz 0.56 dB@12.75 GHz
15 GHz	1.41	1.05	0.82	0.58
18 GHz	1.65	1.15	0.90	0.65
22 GHz	1.77	1.28	1.00	N/A
Ka band	1.65 dB@17.70 GHz 1.77 dB@22 GHz	1.17 dB@17.70 GHz 1.28 dB@22 GHz	0.87 dB@17.70 GHz 1.00 dB@22 GHz	N/A
POWER (WATTS)				
500 MHz	540 W	820 W	1230 W	1950 W
1 GHz	520 W	800 W	1200 W	1900 W
06 GHz	205 W	250 W	500 W	600 W
12 GHz	160 W	310 W	390 W	510 W
18 GHz	110 W	220 W	250 W	480 W
ROS/WSWR	1.35@40 GHz	1.35@33 GHz	1.30@23 GHz	1.30@18 GHz

Connectors available : SMA /N /TNC /2.92mm /3.5 mm / straight or right angle
Option : Marking / protection / phase matching
 Custom length available upon request

Typical applications :

- Long Run Test Cables
- Field Test Setups
- Antenna Systems
- Radar Systems
- Mobile & Fixed Satcom Systems