

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 2,09 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 Q BAND	1801 KU-KA BAND	2301 KU-KA BAND	2801 KU BAND
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/VSWR	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