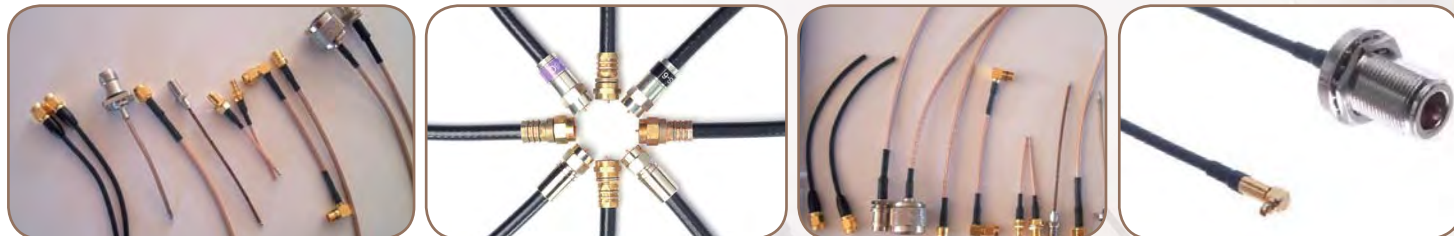


## RG Coax cable assemblies Dc-6 GHz



**ID Connecting** is an industry leading provider of high quality, engineered RF cable assemblies. Our experience in RF connector technology and broad range of ID Connecting coax cables allows our engineering teams to find the best solution for your application challenge. Our capabilities extend from innovative high power, quick disconnect cable assemblies for industrial and semi-conductor equipment to precision, highfrequency, low loss assemblies for defense and aerospace applications. **ID Connecting** is equipped with modern production facilities and is thus able to manufacture cable assemblies exactly in accordance with customer specifications in the shortest of lead-times. The use of high-precision equipment to prepare cables, as well as special crimp presses, ensures an efficient and reliable cable assemblies production.

RG COAX CABLE ASSEMBLIES DC-6 GHz	RG58/CU	RG223/U	RG213/U	RG214/U
Inner conductor	CU Et Ø 0.90 mm	Cu Ag Ø 0.89 mm	Cu Ø 2.25 mm	CuAg Ø 2.25 mm
Dielectric	PE Ø 2.95 mm	PE Ø 2.95 mm	PE Ø 7.24 mm	PE Ø 8.70 mm
Jacket	PVC Ø 4.95 mm	PVC Ø 5.40 mm	PVC Ø 10.30 mm	PVC Ø 10.80 mm
Minimum bend radius	25 mm (stat) 50 mm (dyn)	25 mm (stat) 50 mm (dyn)	50 mm (stat) 100 mm (dyn)	55 mm (stat) 110 mm (dyn)
Impedance	50 Ω (± 2 Ω)	50 Ω (± 2 Ω)	50 Ω (± 2 Ω)	50 Ω (± 2 Ω)
Cut off frequency	3 GHz	12.4 GHz	3 GHz	11 GHz
Velocity of propagation	66%	66%	66%	66%
Shielding effectiveness	60 dB / m (typ)	80 dB / m (typ)	60 dB / m (typ)	80 dB / m (typ)
Temperature range	- 25 °C (min) + 80 °C (max)	- 40 °C (min) + 85 °C (max)	- 40 °C (min) + 85 °C (max)	- 40 °C (min) + 85 °C (max)
Weight (Kg / Km)	36	57	158	195
<b>ATTENUATION (DB/M)</b>				
150 MHz	0.2	0.2	0.1	0.1
220 MHz	0.21	0.21	0.1	0.1
450 MHz	0.3	0.3	0.13	0.14
900 MHz	0.5	0.4	0.2	0.2
1500 MHz	0.6	0.55	0.3	0.3
L Band	0.60 dB @1.518 GHz 0.64 dB @1.675 GHz	0.55 dB @1.518GHz 0.57 dB @1.675 GHz	0.30 dB @1.518GHz 0.30 dB @1.675 GHz»	0.30 dB @1.518 GHz 0.30 dB @1.675 GHz
1800 MHz	0.67	0.6	0.32	0.32
S Band	0.73 dB @1.97 GHz 0.85 dB @2.69 GHz	0.64 dB @1.97 GHz 0.75 dB @2.69 GHz	0.35 dB @1.97 GHz 0.40 dB @2.69 GHz	0.36 dB @1.970 GHz 0.40 dB @2.690 GHz
2000 MHz	0.73	0.64	0.35	0.36
2500 MHz	0.83	0.73	0.4	0.4
C Band	N/A	N/A	0.50 dB @3.40 GHz 0.60 dB @4.20 GHz	0.50 dB @3.40 GHz 0.60 dB @4.20 GHz
5800 MHz	N/A	N/A	0.7	0.8
<b>POWER (W)</b>				
450 MHz	130	150	450	390
900 MHz	90	100	300	260
1800 MHz	60	70	200	170
2000 MHz	58	60	190	160
2500 MHz	50	55	160	140

Connectors available : SMA,N,7/16,EIA,MCX,MMCX,SMB,BNC,TNC,FME

Option : Marking / protection / phase Matching

Custom length available upon request

Typical applications : • Jumper Assemblies in Wireless  
Communication Systems

• Short Antenna Feeder runs

• Mobile Antennas

• WLL

• GPS

• LMR

• WLAN

• WISP

• WiMax

• SCADA