

Cable design

Center conductor bare solid copper wire
 Dielectric foamed PE
 Shield bonded Aluminium foil
 tin plated copper braid
 Jacket polyethylene
 Out-side diameter Ø 12,70 mm nominal
 Weight 0,14 kg/m

Electrical data

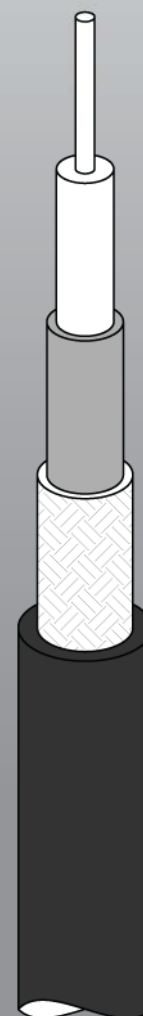
Impedance 50 ohms
 Capacitance 77,1 pF/m
 Voltage withstanding >3000 V DC
 Frequency range DC – 6 GHz.
 Insertion loss see graph
 Velocity of propagation 86 %
 Shielding effectiveness < -90 dB/m typical

Mechanical and environmental data

Temperature range -40 to +80°C
 Bending radius 32 mm (static)
 125 mm (dynamic)

**High Performance
 low loss coaxial cable**

GMR 500



Attenuation Power

Attenuation and average power (20°C)

Frequency (MHz.)	30	50	150	220	450	900	1500	1800	2000	2500	3000	5800
Attenuation (dB/100m)	1,80	2,30	4,00	4,90	7,10	10,30	13,60	15,00	15,90	18,00	19,70	29,10
Power (KW)	2,72	2,13	1,22	1,00	0,69	0,48	0,36	0,33	0,31	0,27	0,25	0,17

Standard available connectors

	SMA	TNC	N
Male	•	•	•
Male right angle		•	•
Female			
Bulkhead			

DC – 6 GHz

Please consult us for the required connectors.
 We can supply cable harnesses made to your requirements.
 Also available: High Dynamic Coaxial Cable.

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