

Cable design

Center conductor bare solid copper wire
 Dielectric solid PE
 Shield bonded Aluminium foil
 tin plated copper braid
 Jacket polyethylene
 Out-side diameter Ø 2,79 mm nominal
 Weight 0,015 kg/m

Electrical data

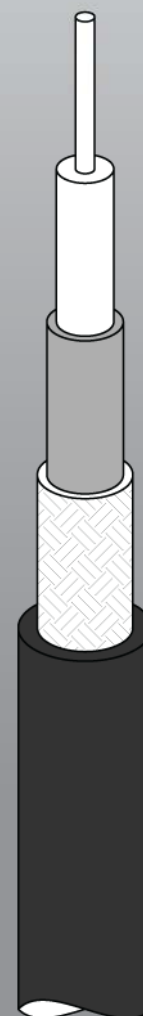
Impedance 50 ohms
 Capacitance 101,1 pF/m
 Voltage withstanding >500 V DC
 Frequency range DC – 6 GHz.
 Insertion loss see graph
 Velocity of propagation 66 %
 Shielding effectiveness < -90 dB/m typical

Mechanical and environmental data

Temperature range -40 to +80°C
 Bending radius 7 mm (static)
 25 mm (dynamic)

**High Performance
 low loss coaxial cable**

GMR 100



DC – 6 GHz

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)	12,90	16,70	29,40	35,80	51,90	74,90	98,70	109,00	115,50	130,60	143,80	210,30
Power (KW)	0,23	0,18	0,10	0,08	0,06	0,04	0,03	0,03	0,03	0,02	0,02	0,01

Standard available connectors

	SMA	SMB	SMC	MMCX	MCX	BNC	TNC	N	FME	SSMB
Male	•	•	•	•	•	•	•	•	•	•
Male right angle	•	•	•	•	•	•	•	•		•
Female	•	•	•	•	•	•	•	•	•	•
Bulkhead	•	•	•	•		•	•	•	•	

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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