

## ZCG1250

### 1/2" flexible foam dielectric 50 Ohm coaxial cable

Our 1/2" flexible foam dielectric, 50 Ohm coaxial cable has specifications and attenuation performance to match or surpass all other brands.

This coaxial cable is available in metre cut lengths or by the roll, please consult ZCG for more information.

Specifications	1/2" flexible coaxial cable ZCG1250	
Order code - per metre	ZCG1250	
Order code 500m roll	ZCG1250-500	
Centre conductor	Copper-clad aluminium wire, 4.8mm	
Dielectric	Physical foam polyethylene (PE), 12.30mm	
Outer conductor	Corrugated copper tube, 13.8mm	
Jacket	Black polyethylene (PE), 15.7mm outside diameter - low smoke halogen-free fire retardant available	
Mechanical specifications		
Minimum bend radius	Installation: 50mm	Repeated: 125mm
Weight	24Kg per 100 metres	
Operating temperature	-55°C to +85°C	
Electric specifications		
Impedance	50 Ohm	
Nominal capacitance	76.0 pF/m	
Velocity of propagation	88%	
Shielding effectiveness	>10MHz >120dB	
Insulation resistance	5000MΩ km	
RF peak voltage	1.60kV	
Peak power rating	40kW	
Maximum frequency	8.8GHz	



#### Alternative models available

ZCG1250-LSZH	1/2" low smoke, halogen free, flexible foam dielectric, 50 Ohm
ZCG1250-LSZH-500	500m roll

Attenuation figures on following page...

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1/2" flexible foam dielectric  
50 Ohm coaxial cable

Attenuation	Per 100 metres	Maximum power
100MHz	2.17dB	3.94kW
150MHz	2.67dB	3.17kW
200MHz	3.10dB	2.75kW
280MHz	3.69dB	2.27kW
450MHz	4.74dB	1.80kW
800MHz	6.45dB	1.33kW
900MHz	6.87dB	1.25kW
1000MHz	7.28dB	1.18kW
1500MHz	9.08dB	0.95kW
1800MHz	10.05dB	0.86kW
2000MHz	10.66dB	0.81kW
2200MHz	11.24dB	0.77kW
2400MHz	11.80dB	0.75kW
2500MHz	12.08dB	0.73kW
3000MHz	13.39dB	0.65kW

