

## 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	ZCG1250		
Order Code 500m Roll	ZCG1250-500		
Centre Conductor	Copper-clad aluminium wire or copper, 4.8mm		
Dielectric	Physical foam polyethylene (PE), 12.3mm		
Outer Conductor	Corrugated copper tube, 13.8mm		
Jacket	Black polyethylene (PE) or Low smoke halogen-free fire retardant, 15.7mm outside diameter		
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 pF/m		
Velocity of Propagation	88%		
DC Resistance	Inner Conductor	1.48 Ohms/Km	
	Outer Conductor	1.98 Ohms/Km	
Maximum Frequency	8.8GHz		



Alternative Models	
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
100MHz	2.15dB
200MHz	3.08dB
450MHz	4.70dB
800MHz	6.35dB
900MHz	6.75dB
1GHz	7.20dB
1.5GHz	9.05dB
1.8GHz	9.90dB
2GHz	10.50dB
2.2GHz	11.10dB
2.4GHz	11.60dB
5GHz	13.20dB
Maximum Power	
100MHz	3,940 Watts
200MHz	2,750 Watts
450MHz	1,800 Watts
800MHz	1,330 Watts
900MHz	1,250 Watts
1GHz	1,180 Watts
1.5GHz	950 Watts
1.8GHz	860 Watts
2GHz	810 Watts
2.2GHz	770 Watts
2.5GHz	730 Watts
5GHz	650 Watts

