

## ZCG1250SF

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

The Specifications and attenuation performance of our 1/2" super flexible, foam dielectric, 50 Ohm coaxial cable are comparable with any other brand available.

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

Specifications	1/2" super flexible coaxial cable ZCG1250SF	
Order code - per metre	ZCG1250SF	
Order code 500m roll	ZCG1250SF-500	
Centre conductor	Copper-clad aluminium wire, 3.60mm	
Dielectric	Physical foam polyethylene (PE), 9.10mm	
Outer conductor	Helical copper tube, 12.0mm	
Jacket	Black polyethylene (PE), 13.3mm outside diameter - low smoke halogen-free fire retardant available	
Mechanical specifications		
Minimum bend radius	Single: 15mm	Repeated: 30mm
Weight	20Kg per 100 metres	
Operating temperature	-55°C to +85°C	
Electric specifications		
Impedance	50 Ohm	
Nominal capacitance	80.0 pF/m	
Velocity of propagation	82%	
RF peak voltage	1.13kV	
Peak power rating	19kW	
Shielding effectiveness	>10MHz >120dB	
Insulation resistance	5000MΩ km	
Maximum frequency	12.5GHz	

Attenuation figures on following page...



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Attenuation	Per 100 metres	Maximum power
100MHz	3.22dB	3.03kW
150MHz	4.05dB	2.39kW
200MHz	4.65dB	2.11kW
280MHz	5.65dB	1.69kW
450MHz	7.20dB	1.37kW
800MHz	9.86dB	1.00kW
900MHz	10.56dB	0.94kW
1000MHz	11.15dB	0.88kW
1500MHz	13.80dB	0.70kW
1800MHz	15.55dB	0.63kW
2000MHz	16.40dB	0.59kW
2200MHz	17.35dB	0.56kW
2400MHz	18.10dB	0.53kW
2500MHz	18.50dB	0.52kW
3000MHz	20.90dB	0.48kW

