

## ZCG1450SF

### 1/4" Super Flexible Foam Dielectric 50 Ohm Coaxial Cable

Our 1/4" super flexible foam dielectric, 50 Ohm coaxial cable has specifications and attenuation performance to match or surpass all other brands on the market.

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

Specifications	1/4" Super Flexible Coaxial Cable (ZCG1450SF)	
Order Code	ZCG1450SF	
Centre Conductor	Copper-clad aluminium wire, 1.90mm	
Dielectric	Physical foam polyethylene (PE), 4.75mm	
Outer Conductor	Helical copper tube, 6.35mm	
Jacket	Black polyethylene (PE), 7.50mm outside diameter	
<b>Mechanical Specifications</b>		
Minimum Bend Radius	Single: 12.5mm	Repeated: 25.0mm
Weight	46Kg per 100 metres	
Tensile Strength	600 newtons (132lb)	
Operating Temperature	-55°C to +85°C	
<b>Electric Specifications</b>		
Impedance	50 Ohm	
Nominal Capacitance	80.0 pF/m (24.4pF/ft)	
Velocity of Propagation	83%	
RF Peak Voltage/Power	0.80kV (Voltage)	6.40kW (Power)
Shielding Effectiveness	>120dB	
Insulation Resistance	5000Mohm-km	
VSWR	800MHz - 1GHz = <1.15 1.7GHz - 2.2GHz = <1.15 2.2GHz - 2.7GHz = <1.15	
Cut Off Frequency	20.4GHz	



Attenuation figures on following page...

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50 Ohm Coaxial Cable

Attenuation	Per 100 metres	Per 100 feet
100MHz	5.6dB	1.71dB
200MHz	8.00dB	2.44dB
450MHz	12.20dB	3.72dB
900MHz	17.50dB	5.33dB
1.5GHz	23.40dB	7.13dB
2.0GHz	26.90dB	8.20dB
2.2GHz	28.50dB	8.69dB
2.4GHz	30.00dB	9.14dB
2.5GHz	30.60dB	9.33dB
3.0GHz	33.50dB	10.21dB
Maximum Power		
100MHz	1.23 kW	
200MHz	0.86 kW	
450MHz	0.57 kW	
900MHz	0.39 kW	
1.5GHz	0.30 kW	
2.0GHz	0.26 kW	
2.2GHz	0.25 kW	
2.4GHz	0.24 kW	
2.5GHz	0.23 kW	
3.0GHz	0.21 kW	

