



ZCG1450SF

1/4" super flexible, helical shielded, 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.



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Order code - per metre	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

Mechanical specifications

Minimum bend radius	Single: 12.5mm	Repeated: 25.0mm
Weight	46Kg per 100 metres	
Operating temperature	-55°C to +85°C	

Electric specifications

Impedance	50 Ohms
Nominal capacitance	80.0 pF/m - 24.4pF/ft
Velocity of propagation	83%
RF peak voltage	0.80kV
Peak power rating	6.40kW
Shielding effectiveness	>120dB
Insulation resistance	5000MΩ km
VSWR	800MHz - 1GHz = <1.15 1.7GHz - 2.2GHz = <1.15 2.2GHz - 2.7GHz = <1.15
Cut-off frequency	DC~20.4GHz



Attenuation figures on following page...



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Attenuation	Per 100 metres	Maximum power
100MHz	5.60dB	1.23kW
150MHz	7.25dB	0.95kW
200MHz	8.00dB	0.86kW
280MHz	10.20dB	0.67kW
450MHz	12.20dB	0.57kW
800MHz	16.70dB	0.42kW
900MHz	17.50dB	0.39kW
1000MHz	18.60dB	0.37kW
1500MHz	23.40dB	0.30kW
1800MHz	25.70dB	0.27kW
2000MHz	26.90dB	0.26kW
2200MHz	28.50dB	0.25kW
2400MHz	30.00dB	0.24kW
2500MHz	30.60dB	0.23kW
3000MHz	33.50dB	0.21kW

