

Section 7 f f Cable & Connectors



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.

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 propogation	82%		
RF peak voltage	1.13kV		
Peak power rating	19kW		
Shielding effectiveness	>10MHz >120dB		
Insulation resistance	5000MΩ km		
Frequency	DC~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





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Suitable installation accessories



HS1250 - Mesh-type hoisting stocking grip for 1/2" flexible foam dielectric or 1/2" super flexible, helical, foam dielectric coaxial cable

Non-magnetic, tin coated bronze



SHC1250 - pack of 10 304 stainless steel 'snap-in' cable hangers for 1/2" corrugated or 1/2" helical coaxial cable

> Requires 19mm (3/4") installation hole

Suitable coaxial connectors



P/N NM1250SF

Tri-metal plated N-type male connector for 1/2" helical coaxial cable



P/N 716DINM1250SF

Tri-metal plated 7/16" DIN male connector for 1/2" corrugated coaxial cable



P/N 78EIA1250SF

Chrome and silver plated 7/8" EIA flanged connector for 1/2" corrugated coaxial cable



P/N A-8574

Self-bonding amalgamation butyl rubber tape - 10m roll



P/N NF1250SF

Tri-metal plated N-type female connector for 1/2" helical coaxial cable



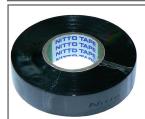
P/N 716DINF1250SF

Tri-metal plated 7/16" DIN female connector for 1/2" corrugated coaxial cable



P/N GK1250SF

Clamp-style grounding kit for 1/2" helical coaxial cable



P/N A-8651-0

Flame retardant, UV stabilised black PVC electrical tape - 20m roll