



ZCG1250

1/2" corrugated shielded, flexible foam dielectric 50 Ohm coaxial cable


In-stock
Ready to
Ship

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.

1/2" flexible corrugated shielded, foam dielectric, coaxial cable

Order code - per metre	ZCG1250
Order code 500m roll	ZCG1250-500
Centre conductor	Copper-clad, solid aluminium wire, 4.8mm
Dielectric	Physical foam polyethylene (PE), 12.30mm
Outer conductor	Corrugated copper tube, 13.8mm
Jacket	Black polyethylene (PE), 15.7mm outside diameter - low smoke halogen-free fire retardant available

Mechanical specifications

Minimum bend radius	Installation: 50mm	Repeated: 125mm
Weight	24.0kg per 100 metres	
Operating temperature	-55°C to +85°C	

Electric specifications

Impedance	50 Ohm
Nominal capacitance	76.0 pF/m
Velocity of propagation	88%
Shielding effectiveness	>10MHz >120dB
Insulation resistance	5000MΩ km
RF peak voltage	1.60kV
Peak power rating	40kW
Maximum frequency	DC~8.8GHz



Alternative models available

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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Attenuation	Per 100 metres	Maximum power
100MHz	2.17dB	3.94kW
150MHz	2.67dB	3.17kW
200MHz	3.10dB	2.75kW
280MHz	3.69dB	2.27kW
450MHz	4.74dB	1.80kW
800MHz	6.45dB	1.33kW
900MHz	6.87dB	1.25kW
1000MHz	7.28dB	1.18kW
1500MHz	9.08dB	0.95kW
1800MHz	10.05dB	0.86kW
2000MHz	10.66dB	0.81kW
2200MHz	11.24dB	0.77kW
2400MHz	11.80dB	0.75kW
2500MHz	12.08dB	0.73kW
3000MHz	13.39dB	0.65kW





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Suitable installation accessories



HC1250 - Pack of 10 UV stabilised PVC cable hanger clamps for 1/2" cable.
Also available in dual cable configuration - see HCD1250
Requires mounting hardware for fixing to tower/structure.



RSB-12 - Pack of 10 304 stainless steel cable clamps for 1/2" cable
Requires mounting hardware for fixing to tower/structure. Such as RSB-310 cleat
Requires 8mm mount hole




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 NM1250
Tri-metal plated N-type male connector for 1/2" corrugated coaxial cable



P/N NF1250
Tri-metal plated N-type male connector for 1/2" corrugated coaxial cable



P/N 716DINM1250
Tri-metal plated 7/16" DIN male connector for 1/2" corrugated coaxial cable



P/N 716DINF1250
Tri-metal plated 7/16" DIN female connector for 1/2" corrugated coaxial cable



P/N 78EIA1250
Chrome and silver plated 7/8" EIA flanged connector for 1/2" corrugated coaxial cable



P/N GK1250
Clamp-style grounding kit for 1/2" coaxial cable



P/N A-8574
Self-bonding amalgamation butyl rubber tape - 10m roll



P/N A-8651-0
Flame retardant, UV stabilised black PVC electrical tape - 20m roll