



ZCG1580

**1-5/8" flexible, helical conductor, foam dielectric
50 Ohm coaxial cable**



Our 1-5/8" foam flexible 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.

1-5/8" flexible, corrugated shielding, foam dielectric coaxial cable

Order code - per metre	ZCG1580
Centre conductor	Helical copper tube, 17.4mm
Dielectric	Physical foam polyethylene (PE), 42.80mm
Outer conductor	Corrugated copper tube, 46.5mm
Jacket	Black polyethylene (PE) or Low smoke halogen-free fire retardant (specify) , 49.5mm outside diameter

Mechanical specifications

Minimum bend radius	Installation: 200mm	Repeated: 510mm
Maximum bends	15	
Tensile Strength	3300 N	
Weight	1.06kg per metre	
Operating temperature	-55°C to +85°C	

Electric specifications

Impedance	50 Ohm (+/- 1 Ohm)
VSWR	0.8~1.0 GHz ≤ 1.13:1 1.7~2.2 GHz ≤ 1.13:1 2.2~2.7 GHz ≤ 1.15:1
Nominal capacitance	76 pF/m
RF Peak Voltage	5.70 kV
Velocity of propagation	88%
Insulation resistance	5000 MΩ/Km
Shielding Effectiveness >10MHz	>120 dB
Cut-off frequency	2.8 GHz



Attenuation figures on following page...



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Attenuation	Per 100 metres
100 MHz	0.63dB
150 MHz	0.80dB
200 MHz	0.95dB
280 MHz	1.15dB
450 MHz	1.46dB
800 MHz	2.04dB
900 MHz	2.18dB
1 GHz	2.32dB
1.5 GHz	3.00dB
1.8 GHz	3.30dB
2 GHz	3.52dB
2.2 GHz	3.72dB
2.4 GHz	3.95dB
2.5 GHz	4.07dB
2.7 GHz	4.20dB

Maximum power	
100 MHz	16.9 kW
150 MHz	13.48 kW
200 MHz	11.60 kW
280 MHz	9.47 kW
450 MHz	7.36 kW
800 MHz	5.26 kW
900 MHz	4.93 kW
1 GHz	4.61 kW
1.5 GHz	3.64 kW
1.8 GHz	3.27 kW
2 GHz	3.00 kW
2.2 GHz	2.85 kW
2.4 GHz	2.70 kW
2.5 GHz	2.61 kW
2.7 GHz	2.53 kW





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Suitable installation accessories



HC1580-2 - Pack of 10 UV stabilised PVC cable hanger clamps

Requires mounting hardware for fixing to tower/structure.

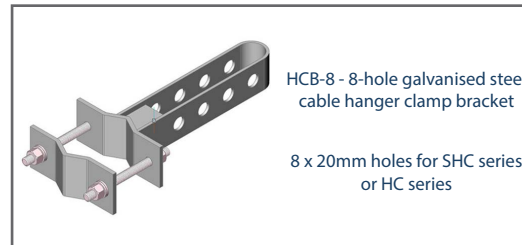


HS1580 - Clamp-style ground earthing kit
includes butyl rubber and uPVC tape



SHC1580 - pack of 10 304 stainless steel 'snap-in' cable hangers for 1-5/8" cable

Requires 19mm (3/4") installation hole



HCB-8 - 8-hole galvanised steel cable hanger clamp bracket

8 x 20mm holes for SHC series or HC series

Suitable coaxial connectors



P/N 716DINM1580

Tri-metal plated 7/16" DIN male connector for 1-5/8" corrugated coaxial cable



P/N 716DINF1580

Tri-metal plated 7/16" DIN female connector for 1-5/8" corrugated coaxial cable



P/N 158EIA1580

Chrome and silver plated 1-5/8" EIA flanged connector for 1-5/8" corrugated coaxial cable



P/N 318EIA15850

Chrome and silver plated 3-1/8" EIA flanged connector for 1-5/8" corrugated coaxial cable



P/N A-8574

Self-bonding amalgamation butyl rubber tape - 10m roll



P/N A-8651-0

Flame retardant