

ZCG1580

1-5/8" Flexible 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.



Specifications	1-5/8" Flexible Coaxial Cable (ZCG7850)	
Order Code	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	
Operating Temperature	-55°C to +85°C	
Electric Specifications		
Impedance	50 Ohm (+/- 1 Ohm)	
Nominal Capacitance	76 pF/m	
RF Peak Voltage	5.70 kV	
Velocity of Propagation	88%	
Shielding Effectiveness	>10MHz - >120 dB	
Insulation Resistance	5000 MΩ/Km	
Cut-off Frequency	2.8 GHz	



Attenuation figures on following page...

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50 Ohm Coaxial Cable

Attenuation	Per 100 metres
100MHz	0.67dB
200MHz	0.98dB
450MHz	1.53dB
800MHz	2.12dB
900MHz	2.28dB
1GHz	2.42dB
1.5GHz	3.09dB
1.8GHz	3.45dB
2GHz	3.68dB
2.2GHz	3.91dB
2.4GHz	4.13dB
2.5GHz	4.24dB
Maximum Power	
100MHz	16,900 Watts
200MHz	11,600 Watts
450MHz	7,360 Watts
800MHz	5,260 Watts
900MHz	4,930 Watts
1GHz	4,610 Watts
1.5GHz	3,640 Watts
1.8GHz	3,270 Watts
2GHz	3,000 Watts
2.2GHz	2,850 Watts
2.4GHz	2,700 Watts
2.5GHz	2,610 Watts

