

## ZCG7850

### 7/8" flexible foam dielectric 50 Ohm coaxial cable

Our 7/8" 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 or by the roll, please consult ZCG for more information.



Specifications	7/8" flexible coaxial cable ZCG7850	
Order code - per metre	ZCG7850	
Order code 500m roll	ZCG7850-500	
Centre conductor	Smooth copper tube, 9.3mm	
Dielectric	Physical foam polyethylene (PE), 22.8mm	
Outer conductor	Corrugated copper tube, 25.40mm	
Jacket	Black polyethylene (PE) 27.80mm outside diameter - low smoke halogen-free fire retardant available	
Mechanical Specifications		
Minimum bend radius	Single: 90mm	Repeated: 250mm
Weight	46Kg per 100 metres	
Operating temperature	-55°C to +85°C	
Max number of bands	50	
Electric Specifications		
Impedance	50 Ohm	
Nominal capacitance	74.0 pF/m	
Velocity of propagation	89%	
RF Peak voltage	3.00KV	
Peak power rating	91kW	
Shielding effectiveness	>10MHz >120dB	
Insulation resistance	5000MΩ km	
Maximum frequency	4.9GHz	



Attenuation figures on following page...

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Attenuation	dB per 100 metres	Maximum power
100MHz	1.16dB	7.49kW
150MHz	1.43dB	6.05kW
200MHz	1.66dB	5.21kW
280MHz	1.99dB	4.33kW
450MHz	2.56dB	3.39kW
800MHz	3.51dB	2.48kW
900MHz	3.75dB	2.32kW
1000MHz	3.97dB	2.19kW
1500MHz	4.99dB	1.74kW
1800MHz	5.54dB	1.53kW
2000MHz	5.88dB	1.48kW
2200MHz	6.21dB	1.42kW
2400MHz	6.54dB	1.31kW
2500MHz	6.69dB	1.26kW
3000MHz	7.45dB	1.17kW

