



## ZCG7850-A

7/8" flexible, helical shielded, air-pass dielectric  
50 Ohm coaxial cable



Our 7/8" helical copper shielded, air-pass 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 500m roll. Alternatively you can request a custom pre-terminated cable assembly please consult ZCG for more information.



Order code - per metre	ZCG7850-A
Order code 500m roll	ZCG7850-A-500
Centre conductor	Smooth copper tube, 9.5mm
Dielectric	Air-pass helix polyethylene (PE)
Outer conductor	Helical corrugated copper tube, 25.7mm
Jacket	Black polyethylene (PE) 29.0mm outside diameter - low smoke halogen-free fire retardant available

### Mechanical Specifications

Minimum bend radius	Single: 1800mm
Weight	46.0kg per 100 metres
Operating temperature	-40°C to +70°C

### Electric Specifications

Impedance	50 Ohms
Nominal capacitance	70.0 pF/m
Velocity of propagation	93%
RF Peak voltage	4.20KV
Peak power rating	91kW
Shielding effectiveness	>10MHz >120dB
Insulation resistance	1000MΩ km
Frequency	0.1~3.4 GHz



Attenuation figures on following page...



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Attenuation	dB per 100 metres
30 MHz	0.75dB
200 MHz	1.98dB
500 MHz	3.23dB
750 MHz	3.84dB

Average power	
200 MHz	4.20kW
500 MHz	2.50kW
1000 MHz	1.69kW



Suitable coaxial connectors

