



RU240-UF

**Low loss, ultra flexible stranded conductor coaxial cable
50 Ohm coaxial cable**


In-stock
Ready to
Ship

For those longer cable runs or the higher frequency range, this 50 Ohm RU240-UF cable will provide the low attenuation performance you require.

ZCG's RU240-UF is a match for match equivalent to LMR240-UF™ coaxial cable (Times Microwave).

RU240-UF coaxial cable is available in cut length, 500m roll or pre-terminated custom cable assembly, please consult ZCG for more information.



RU240-UF		
Order code - 500m roll	7876-2	
Centre conductor	7 strand bare copper, 1.42mm	
Dielectric	Foam polyethylene (PE), 3.81mm	
1st outer conductor	Bonded polyester-aluminium tape 3.94mm	
2nd outer conductor	Tinned copper braid, 97% coverage, 4.52mm	
Jacket	Black polyethylene (PE), 6.10mm outside diameter	
Mechanical specifications		
Minimum bend radius	Single: 19.1mm Repeated: 63.5mm	
Weight	5 kg per 100 metres	
Operating temperature	-40°C to +85°C	
Electrical specifications		
Impedance	50 Ohms (±3 Ohms)	
Frequency	DC~5.8 GHz	
Peak power	5.6kW	
Nominal capacitance	79.4 pF/m	
Velocity of propagation	84%	
Shielding effectiveness	>90dB	
DC resistance	Inner conductor	14.1 Ohms/Km
	Outer conductor	12.8 Ohms/Km
Jacket sparkover	5000V RMS @ sea level	



Attenuation and power figures on following page.



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Attenuation	Per 100 metres
30MHz	5.30dB
50MHz	6.80dB
150MHz	11.90dB
220MHz	14.40dB
450MHz	20.80dB
900MHz	29.80dB
1500MHz	38.90dB
1800MHz	42.80dB
2000MHz	45.20dB
2500MHz	50.90dB
5800MHz	80.10dB
Maximum power	
30MHz	1.24kW
50MHz	960 Watts
150MHz	550 Watts
220MHz	450 Watts
450MHz	310 Watts
900MHz	220 Watts
1500MHz	170 Watts
1800MHz	150 Watts
2000MHz	140 Watts
2500MHz	130 Watts
5800MHz	80 Watts

