



RU400-UF

Ultra Flexible low loss, stranded conductor coaxial cable 50 Ohm coaxial cable



For those longer cable runs, high frequency range requirements or where an ultra flexible cable is required, this 50 Ohm, RU400-UF cable will provide the low attenuation performance you require.

This is a high quality, stranded copper core cable is a match-to-match equivalent to all other 400-UF series coaxial cables available on the market today.

Our RU400-UF coaxial cable is available in 500m roll only, or request a custom cable assembly, please consult ZCG for more information.

RU400-UF Ultra flexible, low loss stranded core

Order code 500m roll	7890-2
Centre conductor	7 strand bare copper, 2.74mm
Dielectric	Foamed polyethylene (PE), 7.24mm
1st outer conductor	Bonded polyester-aluminium tape 7.39mm
2nd outer conductor	Tinned copper braid, 90% coverage, 8.08mm
Jacket	Black thermoplastic elastomer (TPE), 10.29mm

Mechanical specifications

Minimum bend radius	Single: 25.4mm (1.0")
Minimum bend radius	Repeated: 101.6mm (4.0") - at maximum 200 bends
Weight	13.1kg per 100 metres
Operating temperature	-40°C to +85°C
Storage temperature	-70°C to +85°C

Electrical specifications

Impedance	50 Ohms	
Frequency	DC~16.2 GHz	Operating: 30-6000 MHz
Nominal capacitance	78 pF/m	
Velocity of propagation	83%	
Jacket spark test voltage	8000V RMS	
Shielding effectiveness	90dB - minimum	
DC resistance	Inner conductor	3.51 Ohms/Km
	Outer conductor	5.61 Ohms/Km





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Attenuation	Per 100 metres	Avg. power
30 MHz	2.70dB	2.77 kW
50 MHz	3.50 dB	2.14 kW
150 MHz	6.10 dB	1.22 kW
220 MHz	7.40 dB	1.00 kW
450 MHz	10.70 dB	0.69 kW
900 MHz	15.40 dB	0.48 kW
1500 MHz	20.20 dB	0.36 kW
1800 MHz	22.30 dB	0.33 kW
2000 MHz	23.60 dB	0.31 kW
2500 MHz	26.60 dB	0.28 kW
5800 MHz	42.60 dB	0.17 kW

