



## LPY2250-716

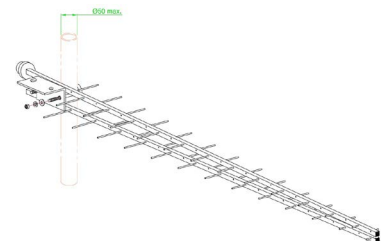
### Directional broadband 21 element log periodic antenna UHF, ISM, 4G, 3G & WiFi 790-2800 MHz



The LPY2250-716 directional 21 element log periodic antenna provides exceptionally broad bandwidth coverage across the full UHF, ISM, 4G & 3G frequency ranges. Suitable for highly directional data transfer or telemetry applications.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

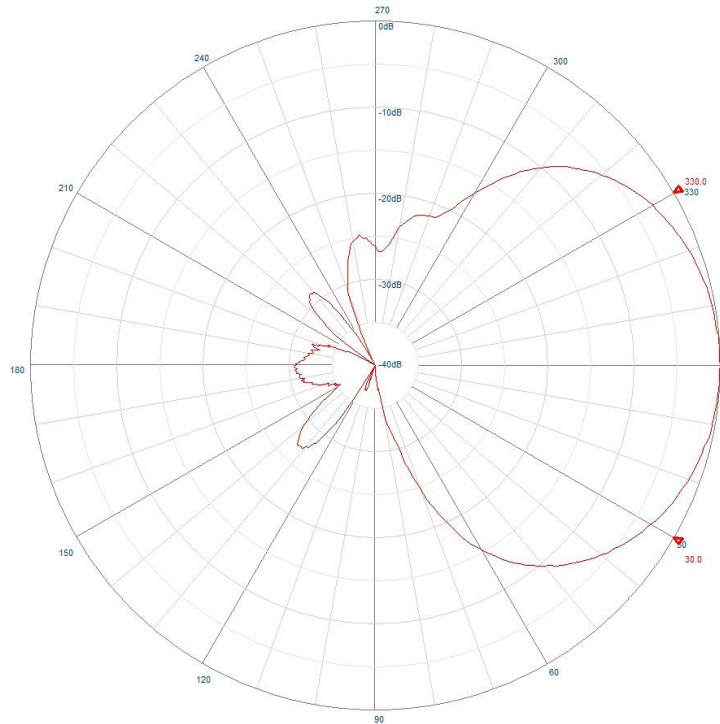
Construction	Fully-welded 304 stainless steel and external termination
Frequency range	790-2800 MHz - UHF, ISM, 4G, 3G & WiFi compatible
VSWR	<2:1
Tuning	Factory
Gain	10.8 dBi
Maximum power	Higher than 150 Watts for each band and a total power of 500 Watts
Impedance - nominal	50 Ohms
Polarisation	Mount horizontal or vertical as required
H Plane	63°
E Plane	48°
Front-to-back ratio	24 dB
DC grounding	Yes
Connector	7/16" DIN female fitted as standard, or specify termination
Boom length	900mm
Longest element	190mm
Weight	750grams
Projected area	0.037m <sup>2</sup>
Wind load at 200kph	7.963kg, 0.070kN
Mounting hardware supplied	Mounting clamp plate welded to rear of antenna, U-bolt 25-50mm capability, nuts/washers included
Installation tools required	13mm or 1/2" spanner for mounting U-bolt



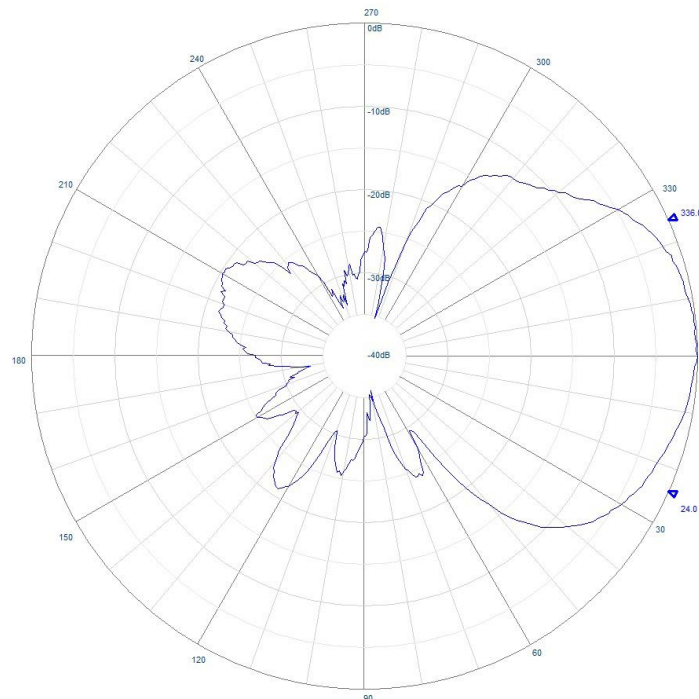


## LPY2250-716

Directional broadband 21 element log periodic Yagi  
UHF, ISM, 4G, 3G & WiFi 790-2800 MHz



Sample radiation pattern AZ Plane



Sample radiation pattern EL Plane



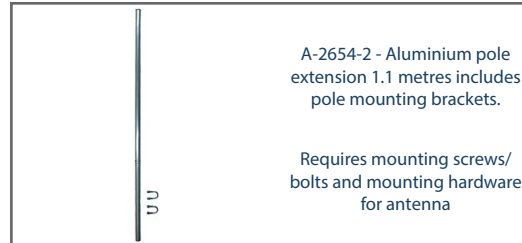
## LPY2250-716

Directional broadband 21 element log periodic Yagi  
UHF, ISM, 4G, 3G & WiFi 790-2800 MHz



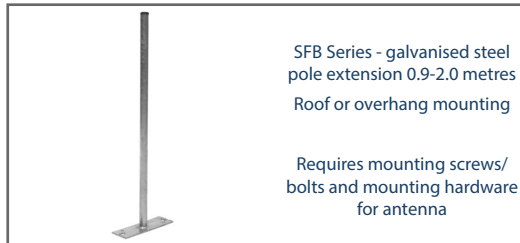
CFB series - Galvanised steel J' hockey stick brackets, 1.1 - 2.1 metres.

Requires mounting screws/ bolts and mounting hardware for antenna



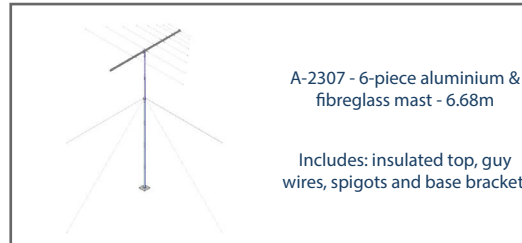
A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires mounting screws/ bolts and mounting hardware for antenna



SFB Series - galvanised steel pole extension 0.9-2.0 metres  
Roof or overhang mounting

Requires mounting screws/ bolts and mounting hardware for antenna



A-2307 - 6-piece aluminium & fibreglass mast - 6.68m

Includes: insulated top, guy wires, spigots and base bracket.

Suitable feeder coaxial cable and connectors



RU400 Solid copper conductor, low loss coaxial cable  
CNT-400 / LMR-400™ equivalent  
(\* times microwave)

P/N 7890

Available in 100m, 300m or 500m rolls or alternatively request a custom cable assembly



7/16" DIN male clamp-style connector for RU400 low loss, solid conductor

P/N 8266

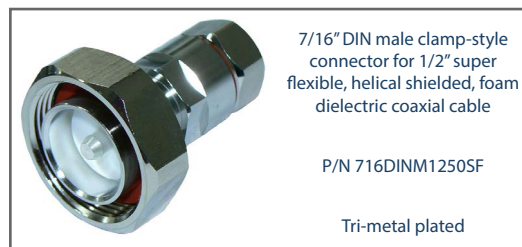
Tri-metal plated



1/2" helical shielded, foam dielectric coaxial cable

P/N ZCG1250SF

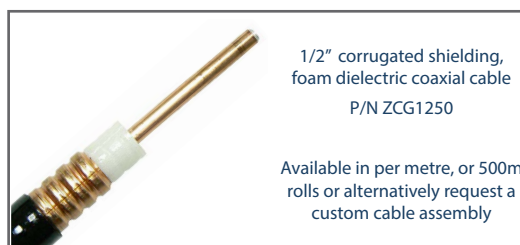
Available in per metre, or 500m rolls or alternatively request a custom cable assembly



7/16" DIN male clamp-style connector for 1/2" super flexible, helical shielded, foam dielectric coaxial cable

P/N 716DINM1250SF

Tri-metal plated



1/2" corrugated shielding, foam dielectric coaxial cable

P/N ZCG1250

Available in per metre, or 500m rolls or alternatively request a custom cable assembly



7/16" DIN male clamp-style connector for 1/2" flexible, corrugated shielded, foam dielectric coaxial cable

P/N 716DINM1250

Tri-metal plated



7/8" corrugated shielding, foam dielectric coaxial cable

P/N ZCG7850

Available in per metre, or 500m rolls or alternatively request a custom cable assembly



7/16" DIN male clamp-style connector for 7/8" flexible, corrugated shielded, foam dielectric coaxial cable

P/N 716DINM7850

Tri-metal plated