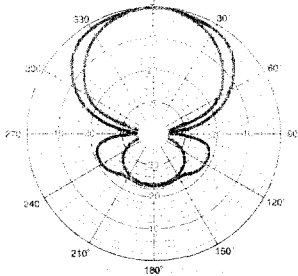
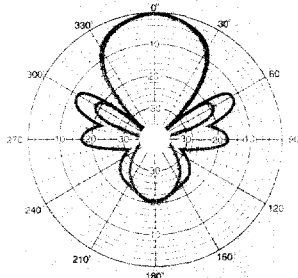


Superior Construction Means System Reliability

Typical 6 Element PLC



Typical 9 Element PLC

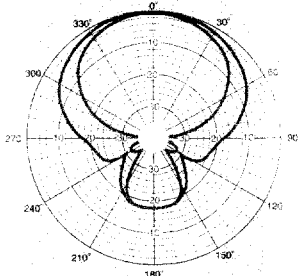


— H-Plane
— E-Plane

Economy P series 6.5 dB gain

VHF economy Yagis are available in broadband 4-element models with frequency ranges of 130-174 MHz and 220-222 MHz. Pre-tuned and easily assembled, they are designed to be rear-mounted and can be stacked for any additional 3 dB gain using our coaxial stacking kits. These high-performance communication antennas are ideal for such applications as control stations, security service, wildlife tracking, remote pickup, remote terminal units, and portable emergency stations.

Typical P Series

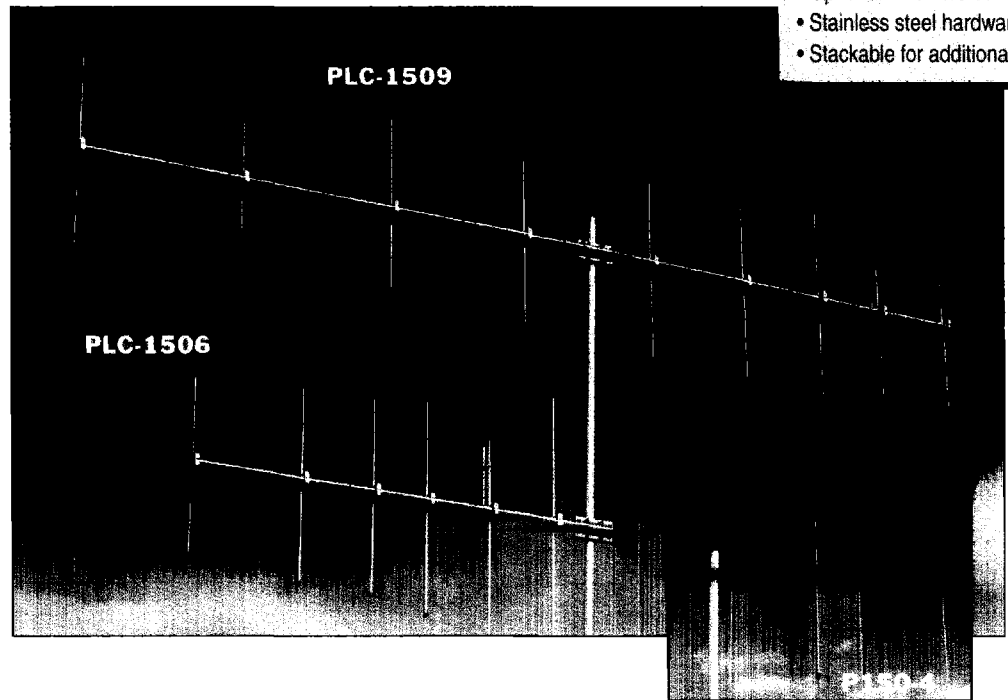


Heavy-duty PLC series 7.1 or 11.1 dB gain

The Cushcraft PLC Yagis are heavy-duty point-to-point antennas, commonly used in data transmission and control station applications. With a frequency range of 129-174 MHz and 220-222 MHz, they feature a preset Reddi-Match and can be quickly and easily assembled at the installation site. Precisely machined boom-to-element blocks prevent corrosion and noise buildup. Outstanding performance and mechanical integrity make these antennas an excellent value.

HEAVY-DUTY PLC SERIES

- Heavy-duty construction
- Preset Reddi-Match feed system
- Optional N-female connectors
- Stainless steel hardware
- Stackable for additional gain



| Model | Freq. MHz | Gain dBd | No. Elem. | F to B dB | VSWR 1.5:1 -3dB Beamwidth | | Connector Type (Female) | W/ surf. Area ft ² (m ²) | W/ surv. mph (kph) | W/ 1/2" ice | Length in (cm) | Wt. lb (kg) |
|----------|-----------|----------|-----------|-----------|---------------------------|----------------------|-------------------------|---|--------------------|-------------|----------------|-------------|
| | | | | | E-Plane ^a | H-Plane ^a | | | | | | |
| PLC-1296 | 129-137 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.54 (0.143) | 125 (200) | 100 (161) | 75 (190.5) | 7.4 (3.3) |
| PLC-1346 | 134-142 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.49 (0.138) | 125 (200) | 100 (161) | 72 (182.9) | 7.2 (3.2) |
| PLC-1426 | 142-150 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.44 (0.133) | 125 (200) | 100 (161) | 70 (177.8) | 7.2 (3.2) |
| PLC-1506 | 150-158 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.39 (0.129) | 125 (200) | 100 (161) | 66 (167.6) | 7.2 (3.2) |
| PLC-1586 | 158-166 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.34 (0.124) | 125 (200) | 100 (161) | 64 (162.6) | 7.1 (3.2) |
| PLC-1666 | 166-174 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.29 (0.120) | 125 (200) | 100 (161) | 64 (162.6) | 7.0 (3.15) |
| PLC-1369 | 136-142 | 11.1 | 9 | 20 | 35 | 45 | UHF | 2.77 (0.256) | 125 (200) | 100 (161) | 161 (408.9) | 11.1 (5.0) |
| PLC-1429 | 142-150 | 11.1 | 9 | 20 | 35 | 45 | UHF | 2.51 (0.232) | 125 (200) | 100 (161) | 152 (386.1) | 10.9 (4.9) |
| PLC-1509 | 150-158 | 11.1 | 9 | 20 | 35 | 45 | UHF | 2.42 (0.224) | 125 (200) | 100 (161) | 144 (365.7) | 10.3 (4.6) |
| PLC-1589 | 158-166 | 11.1 | 9 | 20 | 35 | 45 | UHF | 2.32 (0.214) | 125 (200) | 100 (161) | 137 (347.0) | 10.4 (4.7) |
| PLC-1669 | 166-174 | 11.1 | 9 | 20 | 35 | 45 | UHF | 2.25 (0.208) | 125 (200) | 100 (161) | 131 (332.7) | 10.0 (4.5) |
| PLC-2206 | 220-222 | 7.1 | 6 | 20 | 53 | 74 | UHF | 1.09 (0.101) | 125 (200) | 100 (161) | 48 (121.9) | 6 (2.7) |
| PLC-2209 | 220-222 | 11.1 | 9 | 20 | 35 | 45 | UHF | 1.91 (0.176) | 12 (200) | 100 (161) | 108 (274.3) | 8.5 (3.8) |

Common Specifications: Power handling - 400 Watts; Element material - 1/2 in (1.3 cm) 6063-T832 aluminum tube; Boom material: 1-1/8 in (2.9 cm) 6063-T832 aluminum tube; Maximum mast diameter: 2-1/8 in (5.4 cm); Mounting style: U-bolts and plate.

| Model | Freq. MHz | Gain dBd | No. Elem. | F to B dB | VSWR 1.5:1 -3dB Beamwidth | | Connector Type (Female) | W/ surf. Area ft ² (m ²) | W/ surv. mph (kph) | W/ 1/2" ice | Length in (cm) | Wt. lb (kg) |
|--------|-----------|----------|-----------|-----------|---------------------------|----------------------|-------------------------|---|--------------------|-------------|----------------|-------------|
| | | | | | E-Plane ^a | H-Plane ^a | | | | | | |
| P134-4 | 130-134.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.55 (0.051) | 125 (200) | 100 (161) | 44 (110) | 2.8 (1.26) |
| P138-4 | 134-138.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.54 (0.050) | 125 (200) | 100 (161) | 44 (110) | 2.7 (1.21) |
| P142-4 | 138-142.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.53 (0.049) | 125 (200) | 100 (161) | 44 (110) | 2.7 (1.21) |
| P146-4 | 142-146.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.53 (0.049) | 125 (200) | 100 (161) | 44 (110) | 2.7 (1.21) |
| P150-4 | 146-150.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.52 (0.048) | 125 (200) | 100 (161) | 44 (110) | 2.7 (1.21) |
| P154-4 | 150-154.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.51 (0.047) | 125 (200) | 100 (161) | 44 (110) | 2.7 (1.21) |
| P158-4 | 154-158.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.50 (0.046) | 125 (200) | 100 (161) | 44 (110) | 2.7 (1.21) |
| P162-4 | 158-162.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.49 (0.049) | 125 (200) | 100 (161) | 44 (110) | 2.6 (1.17) |
| P166-4 | 162-166.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.48 (0.044) | 125 (200) | 100 (161) | 44 (110) | 2.6 (1.17) |
| P170-4 | 166-170.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.47 (0.043) | 125 (200) | 100 (161) | 44 (110) | 2.6 (1.17) |
| P174-4 | 170-174.5 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.46 (0.042) | 125 (200) | 100 (161) | 44 (110) | 2.6 (1.17) |
| P220-4 | 220-222 | 6.5 | 4 | 18 | 65 | 80 | UHF | 0.36 (0.033) | 125 (200) | 100 (161) | 36 (91) | 2.6 (1.17) |

Common Specifications: Power handling - 400 Watts; Element material - 3/16in (.48 cm) 6063-T832 aluminum rod; Boom material: 7/8 in (2.2 cm) 6063-T832 aluminum tube; Maximum mast diameter: 2-1/8 in (5.4 cm); Mounting style: U-bolt and bracket.