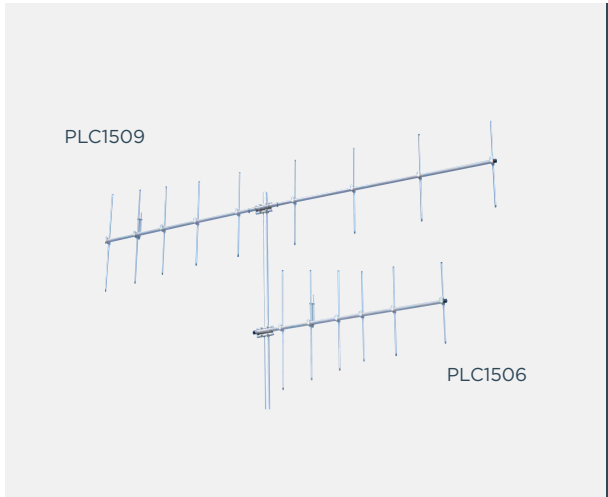




P-PLC HEAVY DUTY YAGI ANTENNAS

30-75 MHz / 129-174 MHz

HEAVY-DUTY PLC SERIES 7.1 OR 11.1 DBI GAIN

Laird's PLC Yagis are heavy-duty point-to-point antennas, commonly used in data transmission and control station applications. With a frequency range of 30-75 MHz and 129-174 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.

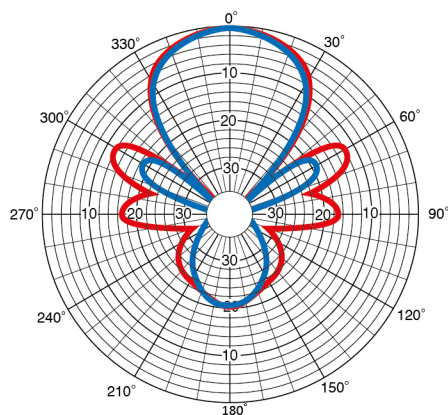
HEAVY-DUTY PLC SERIES 7.1 OR 11.1 DBI GAIN

MODEL	FREQ. MHZ	GAIN DBI	NO. ELEM	F TO B DB	-3DB BEAMWIDTH		CONNECTOR TYPE	W/ SURFACE AREA FT ² (M ²)	W/ SURV. MPH (KPH)	W/ 1/2" ICE	LENGTH IN (CM)	WT. LB (KG)
					E-PLANE°	H-PLANE°						
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-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)

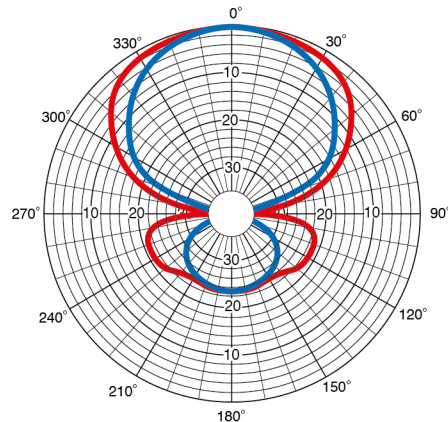
Common specifications: Power handling - 400 Watts; Element material - 1/2 in (1.3 cm) 6063-T832 aluminum tube;
Boom material: 1-1/8 in (2.9 cm) 6063-T832 aluminum tube; Maximum mast diameter: 2-1/8 in (5.4 cm); Mounting style; U-bolts and plate.

MODEL	FREQ. MHZ	GAIN DBI	NO. ELEM	F TO B DB	-3DB BEAMWIDTH		CONNECTOR TYPE	W/ SURFACE AREA FT ² (M ²)	W/ SURV. MPH (KPH)	W/ 1/2" ICE	LENGTH IN (CM)	WT. LB (KG)
					E-PLANE°	H-PLANE°						
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)
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)
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)

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.



Typical 9 Element PLC



Typical 6 Element PLC

te.com

TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

©2021 TE Connectivity. All Rights Reserved.

11/21 Original

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015