

Our premium series directional Yagi antennas are either fully gold anodized or black powder coated for long life and high corrosion resistance. These antennas feature internal matching to assure broad bandwidth and resistance to severe weather. There is no gamma match to ice up, corrode or detune. Our engineering staff has optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

### FEATURES AND BENEFITS

- 360° welds (element and N-connector)
- Internal line feeding the driven element
- Analyzer-tuned best power match/lowest VSWR
- High quality mounting kit (stainless steel hardware, vertical or horizontal)

### APPLICATIONS

- Point-to-point and multi-point/omni outdoor antennas applications
- Transportation (i.e., railroad switching), remote location monitoring (i.e., oil fields, weather, and utility meters)

### ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	806-896
Number of Ports	1
Gain (dBi)	8.15
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	500
Front-to-Back Ratio (dB)	17.15
Gamma Match Type	Internally matched
Element Construction	Welded
Bracket Included	Included

### MECHANICAL SPECIFICATIONS

Dimensions – diameter – mm (inches)	9.525 x 425.45 (3/8" x 16.75")
Element Material	6061-T6 aluminum rod
Boom Material	Heat-treated 6061-T6 aluminum tube
Mounting Hardware Material	Stainless Steel
Mounting	Up to 2.5-inch diameter mast
Radiating Elements	3
Lightning Protection	DC Grounded

### ENVIRONMENTAL SPECIFICATIONS

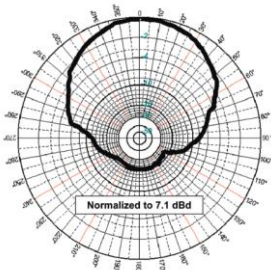
Wind Survival – km/hr (mph)	160.93 (100)
-----------------------------	--------------

### CONFIGURATION

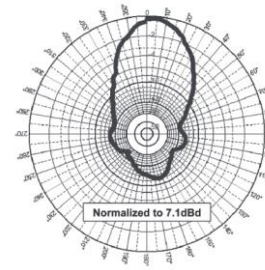
PART NUMBER	COLOR	CABLE LENGTH	CONNECTOR
Y8063	Gold	N/A	N-Female
YB8063	Black	N/A	N-Female

### RADIATION PATTERNS

**Vertical-to-Vertical Polarization**



**Vertical-to-Horizontal Polarization**



### ✓RoHS

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2021 Laird Connectivity. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third-party intellectual property rights.

