

AR160 is a folded quarter wave vertical antenna mostly used for VHF cab radios on rail and transit lines shunt locomotives. There are two version of antenna design: “standard” and half-heighted – “low profile”. These rugged steel-made antennas are also an excellent solution to prevent vandalism destructions in high-risk areas and a good alternative to whip antennas on tall vehicles frequently exposed to damaging automatic washes. “Low profile” version is a good alternative to whip antennas on tall vehicles, that are destroyed when entering parking ramps, garages, etc.

Antenna is made of steel and is covered with black polymer powdered coating. The cable connection point is fully waterproof and protected against hostile environments. The feed “tail” is 0,3 meter long RG213 cable terminating with UHF type female connector.

Antenna has mounting plate for installation on vehicle rooftop with 4 bolts (or welded to locomotive). Additional mounting hole for cable tail required.

Antenna is tuned to central frequency of customer specified range (< 10 MHz).



AR160



AR160L

| AR xxx L | «railroad» antenna band, MHz «low profile» version | Railroad VHF Antenna | Low Profile Railroad VHF Antenna |
|----------------|--|----------------------|----------------------------------|
| | Overall dimensions (H x L x D), mm | 450 x 200 x 100 | 240 x 200 x 315 |
| | Frequency range, MHz | 148 – 174 | |
| | Bandwidth, MHz | 10 | |
| | SWR | < 1,5 | |
| | Nominal impedance, Ohms | 50 | |
| | Power rating, W | 200 | |
| | Weight, kg | 3,2 | |
| | Max wind speed, m/s | < 120 | |