



Antenna Matrix

A Buying Guide for AES Antenna Installations

Remote Rubber Duck Antenna













7214 Omni-directional Rubber Duck Antenna

2.5dB Tamper Resistant Antenna - TNC Female
 *Included with Subscriber purchase



Note: Recommended distance when remoting an antenna with LMR-400 cable is 100 ft. or less.

Rubber duck antennas are for indoor installations

| Installation Type | What You Will Need | | | | | |
|--|---|--|---|---|---|---|
|  INDOOR 6, 10, or 25 ft. from the Subscriber  |  Subscriber | <p>Select the cable that is the right length for your installation</p> <p>Part #'s (select one): 7214-EMK-6 (6 Ft. Cable) 7214-EMK-10 (10 Ft. Cable) 7214-EMK-25 (25 Ft. Cable)</p>  <p>Kit includes a mount and cable with a TNC male and TNC female with bulkhead</p> | | | | <p>Part # 7214</p>  <p>2.5 Rubber Duck Antenna*</p> |
|  INDOOR 50 ft. or less from the Subscriber |  Subscriber |  <p>Part # 12-0181-RFB</p> <p>Connector N female and TNC female with bulkhead</p> |  <p>Part #'s (select one): 13-LMR400-25 (25 ft.) 13-LMR400-50 (50 ft.)</p> <p>LMR-400 Cable with two N male connectors</p> |  <p>Part # 12-0181-R</p> <p>TNC male to N female adaptor</p> |  <p>Part # 7214-EMK-NC</p> <p>Mount without cable</p> |  <p>Part # 7214</p> <p>2.5 Rubber Duck Antenna *</p> |

Remote Phantom Antenna

7264-PA-SUB Phantom Antenna with Mount

Phantom Antenna including NMO Mount (12-0181-NMO) with TNC female with bulkhead























7264-PA-SUB

Note: Recommended distance when remoting an antenna with LMR-400 cable is 100 ft. or less.

Outdoor antennas should always use a surge protector!

Also available:



| Installation Type | What You Will Need | | | | | | | | |
|---|---|--|---|--|---|---|---|---|--|
|  INDOOR 6, 10, or 25 ft. from the Subscriber |  Subscriber | Select the cable that is the right length for your installation Part #'s (select one): 7214-EMK-6 (6 Ft. Cable) 7214-EMK-10 (10 Ft. Cable) 7214-EMK-25 (25 Ft. Cable)  | | | Part # 7264-PA-SUB  Phantom Antenna including NMO Mount (12-0181-NMO) with TNC female with bulkhead | | | | |
|  INDOOR 25 to 50 ft. from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part #'s (select one): 13-LMR400-25 (25 ft.) 13-LMR400-50 (50 ft.)  LMR-400 Cable with two N male connectors | Part # 12-0181-R  TNC male to N female adaptor | Part # 7214-EMK-NC  Mount without cable | Part # 7264-PA-SUB  Phantom Antenna including NMO Mount (12-0181-NMO) with TNC female with bulkhead | | | |
|  OUTDOOR 25 to 100 ft. from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part # 13-LMR400-100  100 ft. LMR-400 Cable with one N male connector | Part # 12-0101  Connector type N crimp on (connects surge protector) | Part # 7230  Surge protector with two N females | Part # 12-0181-R  TNC male to N female adaptor | Part # 7214-EMK-NC  Mount without cable | Part # 7264-PA-SUB  Phantom Antenna including NMO Mount (12-0181 NMO) with TNC female with bulkhead | |

Remote 3dB or 5dB Antenna

7210-3 or 7210-5 dB Antenna

3dB or 5dB Omni-directional UHF Antenna (includes 52-0057 mounting kit). Antenna made of stainless steel

























Note: Recommended distance when remoting an antenna with LMR-400 cable is 100 ft. or less.

Outdoor antennas should always use a surge protector!

Also available:



| Installation Type | What You Will Need | | | | | |
|--|--|---|---|---|--|---|
|  INDOOR 25 ft. or less from the Subscriber |  Subscriber | Select the cable that is the right length for your installation Part #'s (select one): 7220-10-N-TNCFB 7220-25-N-TNCFB RG-58 Cable with N male and TNC female with bulkhead  | | Part #'s (select one): 7210-3 or 7210-5 7210 and NMO mount with N female  | | |
|  INDOOR 50 ft. or less from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part #'s (select one): 13-LMR400-25 (25 ft.) 13-LMR400-50 (50 ft.)  LMR-400 Cable with two N male connectors | Part #'s (select one): 7210-3 or 7210-5 7210 and NMO mount with N female  | | |
|  OUTDOOR 25 ft. or less from the Subscriber |  Subscriber | Part #'s (select one): 7220-10-N-TNCFB 7220-25-N-TNCFB  RG-58 Cable with N male and TNC female with bulkhead | Part # 12-0104  Connector type N crimp on (connects surge protector) Qty. 2 | Part # 7230  Surge protector with two N females | Part #'s (select one): 7210-3 or 7210-5 7210 and NMO mount with N female  | |
|  OUTDOOR 25 to 100 ft. from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part # 13-LMR400-100  100 ft. LMR-400 cable with one N male connector | Part # 12-0101  Connector type N crimp on (connects surge protector) Qty. 3 | Part # 7230  Surge protector with two N females | Part #'s (select one): 7210-3 or 7210-5 7210 and NMO mount with N female  |

Remote 6dB, 7dB, or 9dB Antenna

7210-6, 7210-7, or 7210-9 dB Antenna

6dB, 7dB, or 9dB Omni-directional UHF Antenna (includes mounting kit). Antenna made of fiber glass



Note: Recommended distance when remotng an antenna with LMR-400 cable is 100 ft. or less.

Outdoor antennas should always use a surge protector!

Also available:



| Installation Type | What You Will Need | | | | | |
|--|--|--|--|--|--|--|
|  OUTDOOR 25 ft. or less from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part #'s (select one): 7220-10-N-TNCFB 7220-25-N-TNCFB  RG-58 Cable with N male and TNC female with bulkhead | Part # 12-0104  Connector type N crimp on (connects surge protector) Qty. 2 | Part # 7230  Surge protector with two N females | Part #'s (select one): 7210-6, 7, or 9  Includes mounting kit |
|  OUTDOOR 25 to 50 ft. from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part #'s (select one): 13-LMR400-25 (25 ft.) 13-LMR400-50 (50 ft.)  LMR-400 Cable with two N male connectors | Part # 12-0101  Connector type N crimp on (connects surge protector) Qty. 2 | Part # 7230  Surge protector with two N females | Part #'s (select one): 7210-6, 7, or 9  Includes mounting kit |
|  OUTDOOR 50 to 100 ft. from the Subscriber |  Subscriber | Part # 12-0181-RFB  Connector N female and TNC female with bulkhead | Part # 13-LMR400-100  100 ft. LMR-400 Cable with one N male connector | Part # 12-0101  Connector type N crimp on (connects surge protector) Qty. 3 | Part # 7230  Surge protector with two N females | Part #'s (select one): 7210-6, 7, or 9  Includes mounting kit |