



PulseLARSEN *Antennas*

Cable Mounts and Connectors

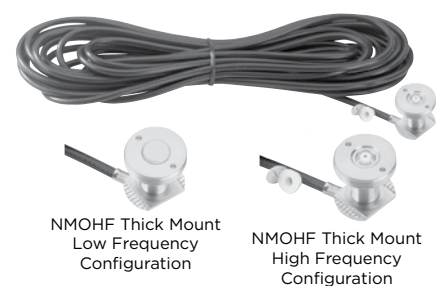
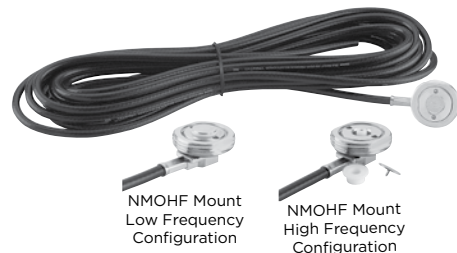


YOUR INTRODUCTION TO PULSELARSEN CABLE MOUNTS.

Want to learn more? Visit our website at pulselarsenantennas.com

All Larsen NMOHF (high frequency 27 MHz to 6 GHz) mounts convert from low frequency applications to high frequency applications and back by pulling or replacing the center pin and insulator.

NMOHF mounts require a 3/4" hole for mounting and include 17' of coax. NMOHF mounts accommodate roof surfaces from 0.1" to .03". NMOHFTHK (thick) mounts accommodates roof surfaces up to 1/2" thick.



If your antenna has a "tab" or "pin" connector, use the NMOHF mount in the low frequency configuration - leave the center pin and insulator in place as it arrives from the factory.



If your antenna has a "high frequency" (HF) connector, use the NMOHF mount in the high frequency configuration - remove the center pin and insulator.



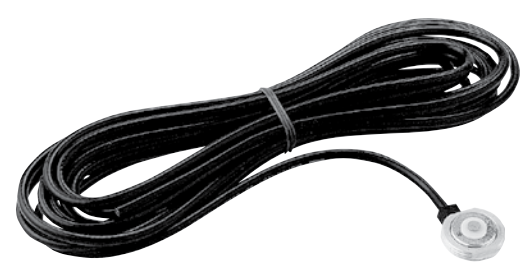
| NMO 3/4" HIGH FREQUENCY MOUNTS | | |
|--------------------------------|---------------------------|---------------|
| Model | Coax | Connector |
| NMOKHFCX | CX (RG-58A/U) | No Conn |
| NMOKHFCXFME | CX (RG-58A/U) | FME CRIMP |
| NMOKHFCXMPL | CX (RG-58A/U) | MPL |
| NMOKHFCXPL | CX (RG-58A/U) | PL-259 |
| NMOKHFDS | DS (RG-58A/U Dual Shield) | No Conn |
| NMOKHFUD | UD (RG-58U Dual Shield) | No Conn |
| NMOKHFUDFME | UD (RG-58U Dual Shield) | FME |
| NMOKHFUDMPL | UD (RG-58U Dual Shield) | MPL |
| NMOKHFUDSMA | UD (RG-58U Dual Shield) | SMA |
| NMOKHFUDTNC | UD (RG-58U Dual Shield) | TNC |
| NMOKHF200SMAI | LMR200 | SMA Installed |

| NMO 3/4" HIGH FREQUENCY MID-SIZE MOUNTS | | |
|---|-------------------------------------|-----------|
| Model | Coax | Connector |
| NMOKHFIDCX | CX (RG-58A/U) | No Conn |
| NMOKHFIDDS | DS (RG-58A/U Dual Shield, Low Loss) | No Conn |
| NMOKHFIDUD | UD (RG-58U, Dual Shield) | No Conn |

| NMO 3/4" HIGH FREQUENCY THICK MOUNTS | | |
|--------------------------------------|---------------------------|-----------|
| Model | Coax | Connector |
| NMOKHFCXTHK | CX (RG-58A/U) | No Conn |
| NMOKHFDSTHK | DS (RG-58A/U Dual Shield) | No Conn |

NMO 3/4" standard mounts require a 3/4" hole for mounting and include 17' of coax.

| NMO 3/4" STANDARD MOUNTS | | |
|--------------------------|---------------------------|-----------|
| Model | Coax | Connector |
| NMOKNOCONN | CX (RG-58A/U) | No Conn |
| NMOK | CX (RG-58A/U) | PL-259 |
| NMOKFME | CX (RG-58A/U) | FME |
| NMOKMPL | CX (RG-58A/U) | MPL Crimp |
| NMOKDS | DS (RG-58A/U Dual Shield) | No Conn |
| NMOKDSFME | DS (RG-58A/U Dual Shield) | FME |
| NMOKUD | UD (RG-58U Dual Shield) | No Conn |
| NMOKUDFME | UD (RG-58U Dual Shield) | FME |
| NMOKUDPL | UD (RG-58U Dual Shield) | PL-259T |
| NMOKUDTNC | UD (RG-58U Dual Shield) | TNC |



| NMO HIGH FREQUENCY MOUNTS | | |
|---------------------------|----------------------------------|--------------|
| Model | Thickness | Cable |
| NMOHF | 0761-2.54 mm Standard | Not included |
| NMOHF MID | 0.761 - 5.90 mm Mid-Thickness | Not included |
| NMOHFTHK | 1.6 - 12.7 mm Greatest Thickness | Not included |

All Larsen NMOHF (high frequency 27 MHz to 6 GHz) mounts convert from low frequency applications to high frequency applications and back by pulling or replacing the center pin and insulator.

NMOHF round magnetic mounts have the following specifications:
Size: 3.5" Diameter ■ **Cable Length:** 12' ■ **Pull Strength:** 80 lbs



| NMO HIGH FREQUENCY MAGNETIC MOUNTS | | |
|------------------------------------|---------------------------|-----------|
| Model | Coax | Connector |
| NMOMMRNOCONN | CX (RG-58A/U) | No Conn |
| NMOMMR | CX (RG-58A/U) | 58FCP |
| NMOMMRFME | CX (RG-58A/U) | FME Crimp |
| NMOMMRPL | CX (RG-58A/U) | PL-259 |
| NMOMMRMPL | CX (RG-58A/U) | MPL Crimp |
| NMOMMRTNC | CX (RG-58A/U) | TNC Crimp |
| NMOMMRBNC | CX (RG-58A/U) | BNC Crimp |
| NMOMMRN | CX (RG-58A/U) | N Crimp |
| NMOMMRDS | DS (RG-58A/U Dual Shield) | No Conn |
| NMOMMRDSFME | DS (RG-58A/U Dual Shield) | FME |
| NMOMMRDSMPL | DS (RG-58A/U Dual Shield) | MPL Crimp |
| NMOMMRDSN | DS (RG-58A/U Dual Shield) | N Crimp |
| NMOMMRDSSMA | DS (RG-58A/U Dual Shield) | SMA |
| NMOMMRDSSMAR/P | DS (RG-58A/U Dual Shield) | SMARP |
| NMOMMRDSPL | DS (RG-58A/U Dual Shield) | PL-259T |
| NMOMMRDSTNC | DS (RG-58A/U Dual Shield) | TNC |
| NMOMMT200NOCONN | LMR200 | No Conn |
| NMOMMR200SMA | LMR200 | SMA |
| NMOMMR200N | LMR200 | N |

NMO3/8" mounts have the following specifications:
Mounting: 3/4" hole ■ **Mounting Surface:** 0.15" to 0.22" thickness ■ **Cable Length:** 17'

| NMO 3/8" THICK MOUNTS | | |
|-----------------------|---------------------------|-----------|
| Model | Coax | Connector |
| NMOKCX38THK | CX (RG-58A/U) | No Conn |
| NMOKUD38THK | DS (RG-58A/U Dual Shield) | No Conn |



All Larsen NMOHF (high frequency 27 MHz to 6 GHz) mounts convert from low frequency applications to high frequency applications and back by pulling or replacing the center pin and insulator.

NMOHFGPS mounts have the following specifications:

Frequency: 1575.4 - 1576.4 MHz ■ **Gain:** 5 dBic ■ **Polarization:** Right-Hand Circular / Vertical ■ **LNA Gain:** 26 dB ± 2 dB
Cable: 16.4' RG-174 (GPS) 16.4' RG-58 (NMOHF) ■ **VSWR:** Less than 2:1 ■ **Size:** .5 x 2 x 4.5 ■ **Voltage:** 3 or 5 V DC ■ **Color:** Black
Mounting: 5/8 " Hole

| GPS LTE DIRECT MOUNTS | |
|-----------------------|------------------|
| Model | Connectors |
| NMOHFGPSFMENOCNN | FME/No Connector |
| NMOHFGPSFMESMA | FME/SMA |
| NMOHFGPSNOCNN | No Connectors |
| NMOHFGPSSMASMA | SMA/SMA |

NOTE: Specifications listed refer to GPS performance. Additional antenna specifications are dependent on the antenna mounted on the NMO side.



NMO square magnetic mounts have the following specifications:

Size: 3.5" x 3" ■ **Cable Length:** 12' ■ **Pull Strength:** 50 lbs

| NMO SQUARE MAGNETIC MOUNTS | | |
|----------------------------|---------------------------|-----------|
| Model | Coax | Connector |
| NMOMMNOCONN | CX (RG-58A/U) | No Conn |
| NMOMMMPL | CX (RG-58A/U) | MPL |
| NMOMM | CX (RG-58A/U) | 58FCP |
| NMOMMBNC | CX (RG-58A/U) | BNC |
| NMOMMPL | CX (RG-58A/U) | PL-259 |
| NMOMMFME | CX (RG-58A/U) | FME |
| NMOMMDSFME | DS (RG-58A/U Dual Shield) | FME |



NMO trunk lid mounts have the following specifications:

Size: 2.5" x 2"

| NMO TRUNK LID MOUNTS | | | |
|----------------------|---------------|-----------|-----------|
| Model | Coax | Connector | Connector |
| NMOTLP | CX (RG-58A/U) | 17 ft. | PL-259 |
| NMOTLPFME | CX (RG-58A/U) | 17 ft. | FME |
| NMOHFTLP200NF | LMR-200 | 17 ft. | N-Female |
| NMOHFTLP200NF12 | LMR-200 | 12 ft. | N-Female |



| LM MOUNTS | | |
|-----------|---------------------------|-----------|
| Model | Coax | Connector |
| LMKNOCONN | CX (RG-58A/U) | No Conn |
| LMKFME | CX (RG-58A/U) | FME |
| LMK | CX (RG-58A/U) | PL-259 |
| LMKDS | DS (RG-58A/U Dual Shield) | No Conn |
| LMKDSFME | DS (RG-58A/U Dual Shield) | FME |
| LMKUD | UD (RG-58U Dual Shield) | No Conn |
| LMKUDFME | UD (RG-58U Dual Shield) | FME |



LM magnetic mounts have the following specifications:

Size: 3.5" x 3" ■ **Cable Length:** 12' ■ **Type:** 5/16" x 24 THDS ■ **Pull Strength:** 50 lbs

| LMMM MAGNETIC MOUNTS | | |
|----------------------|---------------------------|-----------|
| Model | Coax | Connector |
| LMKNOCONN | CX (RG-58A/U) | No Conn |
| LMKFME | CX (RG-58A/U) | FME |
| LMK | CX (RG-58A/U) | PL-259 |
| LMKDS | DS (RG-58A/U Dual Shield) | No Conn |
| LMKDSFME | DS (RG-58A/U Dual Shield) | FME |
| LMKUD | UD (RG-58U Dual Shield) | No Conn |
| LMKUDFME | UD (RG-58U Dual Shield) | FME |



LM trunk lid mounts have the following specifications:

Size: 2.5" x 2" ■ **Cable Length:** 17' ■ **Type:** 5/16" x 24 THDS

| LM TRUNK LID MOUNTS | | |
|---------------------|---------------------------|------------------|
| Model | Coax | Connector |
| MTLP | CX (RG-58A/U) | PL-259 |
| LMTLPDS | DS (RG-58A/U Dual Shield) | Order Separately |



| PO MOUNTS | | |
|-----------|---------------|-----------|
| Model | Coax | Connector |
| POKNOCONN | CX (RG-58A/U) | No Conn |

PO magnetic mounts have the following specifications:

Size: 3.5" x 3" ■ **Cable Length:** 12' ■ **Type:** SO-239 Female ■ **Pull Strength:** 50 lbs

| PO MAGNETIC MOUNTS | | |
|--------------------|---------------|-----------|
| Model | Coax | Connector |
| POMM | CX (RG-58A/U) | 58FCP |



CONNECTORS

SMA CONNECTORS



| MODEL | DESCRIPTION |
|-------------|---------------------|
| SMACP58 | SMA Crimp Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| SMACJ | SMA Crimp Jack 58/U |
| CABLE GROUP | 58 |

BNC CONNECTORS



| MODEL | DESCRIPTION |
|-------------|---------------------|
| BNCCRIMP | BNC Crimp Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| BNCCJ58 | BNC Crimp Jack 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|----------------------|
| BNC174 | BNC Crimp Plug 174/U |
| CABLE GROUP | 174 |

N CONNECTORS



| MODEL | DESCRIPTION |
|-------------|-------------------|
| NCRIMP | N Crimp Plug 58/U |
| CABLE GROUP | 58 |

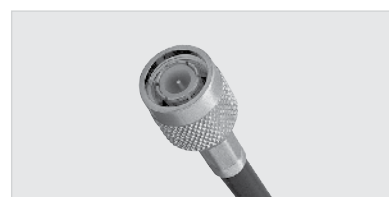


| MODEL | DESCRIPTION |
|-------------|------------------|
| N8 | N Clamp Plug 8/U |
| CABLE GROUP | 8 |

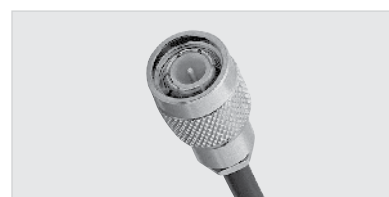


| MODEL | DESCRIPTION |
|-------------|-----------------------|
| NCBJ58 | N Crimp Blk Jack 58/U |
| CABLE GROUP | 58 |

TNC CONNECTORS



| MODEL | DESCRIPTION |
|-------------|---------------------|
| TNCCRIMP | TNC Crimp Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| TNC | TNC Clamp Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| TNCCJ | TNC Crimp Jack 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|-------------------------|
| TNCCBJ | TNC Crimp Blk Jack 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| TNCAP | TNC Angle Plug 58/U |
| CABLE GROUP | 58 |

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 **PulseLarsen**
Antennas

1-800-ANTENNA (268-3662)

When you need an antenna, what better way than to remember 1-800-ANTENNA (268-3662). Our knowledgeable Customer Support staff is available to assist you.

For our international customers:

PHONE +1.360.944.7551

EMAIL

Americas: antennas.us@pulseelectronics.com

Europe: antennas.eu@pulseelectronics.com

Asia: antennas.as@pulseelectronics.com

PULSE No-Nonsense™ Warranty

Every effort is made to assure the integrity and long life of each Pulse product. In the unfortunate event a problem does occur, you will find us ready to make it right!

Duration of warranty is one year from date of purchase.

Pulse will repair or replace without charge any Larsen antenna product which fails for any reason during the warranty period. Pulse is not responsible for any incidental or consequential damages due to failure of the antenna under this warranty or any implied warranty. This exclusion may not apply to all areas of the USA or Canada.

CONNECTORS

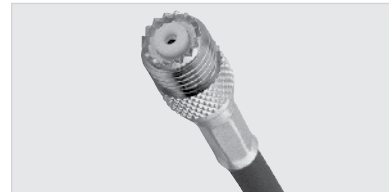
UHF CONNECTORS



| MODEL | DESCRIPTION |
|-------------|-----------------------|
| MPLCRIMP | M/UHF Crimp Plug 58/U |
| CABLE GROUP | 58 |



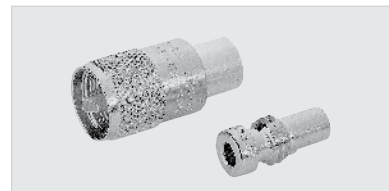
| MODEL | DESCRIPTION |
|-------------|------------------------|
| MPLCP | M/UHF Crimp Plug 174/U |
| CABLE GROUP | 174 |



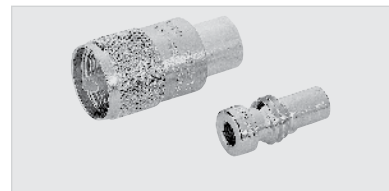
| MODEL | DESCRIPTION |
|-------------|-----------------------|
| MPLCJ58 | M/UHF Crimp Jack 58/U |
| CABLE GROUP | 58 |



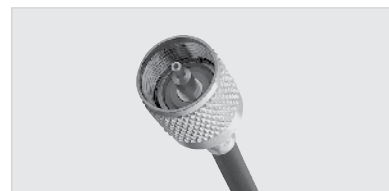
| MODEL | DESCRIPTION |
|-------------|--------------------------|
| PL2598PHN | UHF Solder Plug PL 259/U |
| CABLE GROUP | 8 |



| MODEL | DESCRIPTION |
|-------------|--|
| PL259T | UHF Solder Plug PL259/U Teflon & Silver UG175 adapter 8/58 |
| CABLE GROUP | 8/58 |



| MODEL | DESCRIPTION |
|-------------|--|
| PL259 | UHF Solder Plug PL259/U with UG 175 adapter 8/58 |
| CABLE GROUP | 8/58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| PLCP | UHF Crimp Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|-------------------|
| 58FCP | UHF FCP Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|------------|---|
| PL2598 | UHF Solder Plug PL259/U, Teflon & Silver Plate 8/58 |
| CABLEGROUP | 8/58 |



| MODEL | DESCRIPTION |
|-------------|---------------------------|
| UG175 | UHF Reducing adapter 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------|-----------------|
| PL258 | UHF adapter J/J |



| MODEL | DESCRIPTION |
|--------|--------------|
| UHFBJJ | UHF bulkhead |

FME CONNECTORS



| MODEL | DESCRIPTION |
|-------------|---------------------|
| FMECP58 | FME Crimp Plug 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|---------------------|
| FMECRIMP | FME Crimp Jack 58/U |
| CABLE GROUP | 58 |



| MODEL | DESCRIPTION |
|-------------|----------------------|
| FMECJ174 | FME Crimp Jack 174/U |
| CABLE GROUP | 174 |



| MODEL | DESCRIPTION |
|-------|-------------------------|
| FB | FME adapter to BNC plug |



| MODEL | DESCRIPTION |
|-------|-------------------------|
| FT | FME adapter to TNC plug |



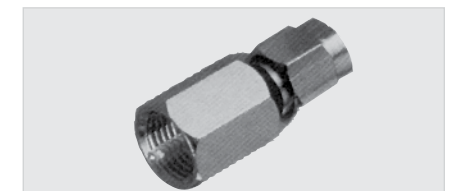
| MODEL | DESCRIPTION |
|-------|------------------------------|
| FM | FME adapter to mini-UHF plug |



| MODEL | DESCRIPTION |
|-------|-----------------------|
| FN | FME adapter to N plug |



| MODEL | DESCRIPTION |
|-------|-------------------------|
| FP | FME adapter to UHF plug |



| MODEL | DESCRIPTION |
|-------|-------------------------|
| FSM | FME adapter to SMA plug |



| MODEL | DESCRIPTION |
|-------|-------------------------|
| FSF | FME adapter to SMA jack |

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PARTS & ACCESSORIES



| MODEL | DESCRIPTION |
|--------|-------------|
| 6 x 32 | Set Screws |
| 8 x 32 | Set Screws |



| MODEL | DESCRIPTION |
|-------|------------------------------------|
| A4 | BSA/BA/SO-239 to NMO mount adapter |



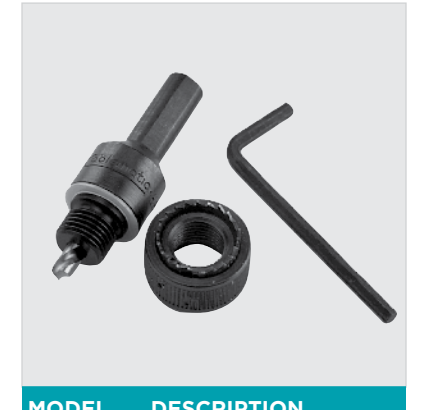
| MODEL | DESCRIPTION |
|-------|--------------------------------------|
| BA | Bulkhead mount adapter with hardware |



| MODEL | DESCRIPTION |
|----------|---|
| GROMMETS | Qty 100 plastic grommet secures/centers coax, 3/4" hole |



| MODEL | DESCRIPTION |
|-------|---------------------------------|
| HP34 | Plastic hole plug for 3/4" hole |
| HP38 | Plastic hole plug for 3/8" hole |



| MODEL | DESCRIPTION |
|-------|--|
| HS1 | 3/4" hole saw fits 3/8" or larger drills |



| MODEL | DESCRIPTION |
|----------|----------------|
| BAHEXNUT | Hex nut for BA |



| MODEL | DESCRIPTION |
|--------|---|
| BALL1B | Black teardrop rod tip for W490, W540 tapered rods |
| BALL2B | Black teardrop rod tip for Q and NMOQ antennas |
| BALL3B | Black teardrop rod tip for .100 diameter non-tapered rods |
| BALL4 | Rod tip WBQ800 antennas |



| MODEL | DESCRIPTION |
|--------------|---|
| BANOHardware | Bulkhead mount adapter without hardware |



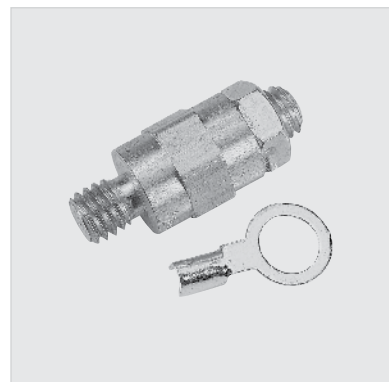
| MODEL | DESCRIPTION |
|---------|----------------------------|
| HSBLADE | Replacement blades for HS1 |



| MODEL | DESCRIPTION |
|-------------|--|
| KGREINSTALL | KG glass mount installation kit die cut tape |



| MODEL | DESCRIPTION |
|---------------|--|
| KGREINSTALLDC | KG glass mount installation kit die cut tape |



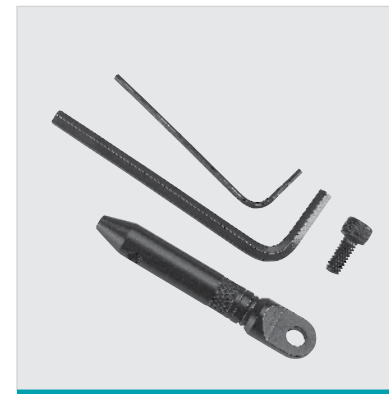
| MODEL | DESCRIPTION |
|----------|--|
| BATTBOLT | Battery bolt with terminals, 3/8" ring leads |



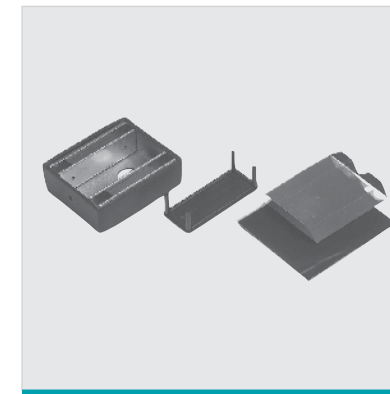
| MODEL | DESCRIPTION |
|------------|--|
| FB2BRACKET | Mounting bracket and hardware for FB2 series |



| MODEL | DESCRIPTION |
|------------|---|
| FB3BRACKET | Mounting bracket and hardware for blade and round FB antennas |



| MODEL | DESCRIPTION |
|--------------|------------------------------------|
| KGSWIVEL.073 | KG swivel mount assembly, .073 dia |
| KGSWIVEL.100 | KG swivel mount assembly, .100 dia |



| MODEL | DESCRIPTION |
|-------|--|
| MM34 | Rectangular mag mount housing, 3/4" hole |



| MODEL | DESCRIPTION |
|--------------|---|
| NMOBRASSRING | Nickel plated brass ring for NMO and NMOHF mounts |

PARTS & ACCESSORIES



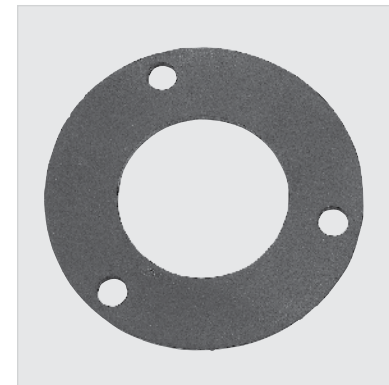
MODEL NMOCAPB
DESCRIPTION Rain cap for NMO mount



MODEL HFCENTERCONTACT
DESCRIPTION NMOHF Center Contacts and Insulators - 10 each



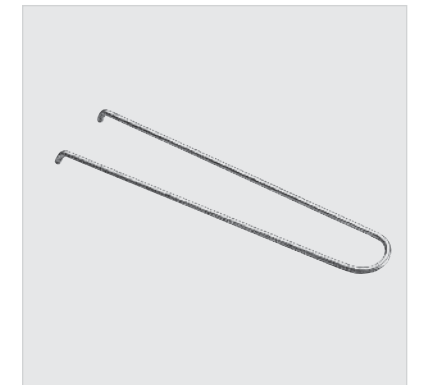
MODEL NMOTEST1
DESCRIPTION Test adapter for NMO mount



MODEL RGOMANT
DESCRIPTION Rubber gasket for OM bases



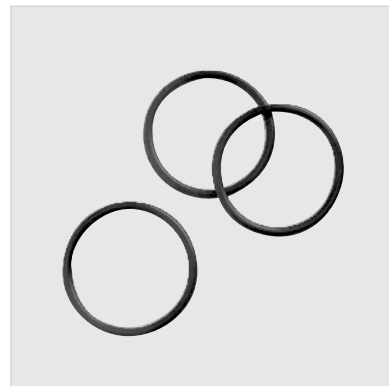
MODEL RGSS
DESCRIPTION Rubber SuperSeal gasket for MakroBlend® coils / bases



MODEL SPANNER
DESCRIPTION Spanner wrench for PO and NMOK mounts



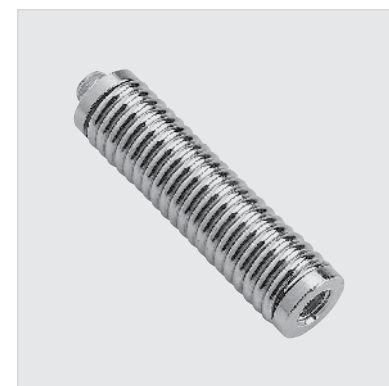
MODEL OCBRACKET
DESCRIPTION 3" Tall bracket for ceiling or wall mount, Cool Grey



MODEL OLMMNT
DESCRIPTION O ring for LM mount
ONMOANT O ring for NMO antennas/bases
ONMOMNT O ring for NMO mount
OPOMNT O ring for PO mount



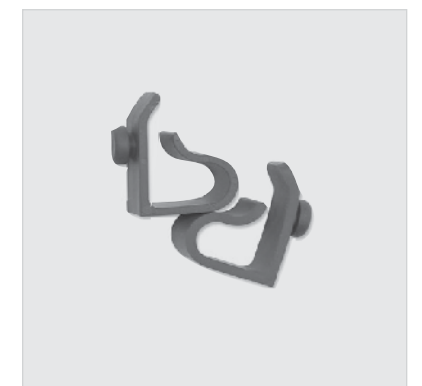
MODEL QCONE.073
DESCRIPTION Chrome Q cone / Q base, .073 dia.
QCONE.100 Chrome Q cone / Q base, .100 dia.
QCONE.125 Chrome Q cone / Q base, .125 dia.



MODEL SPRING
DESCRIPTION Chrome shock spring



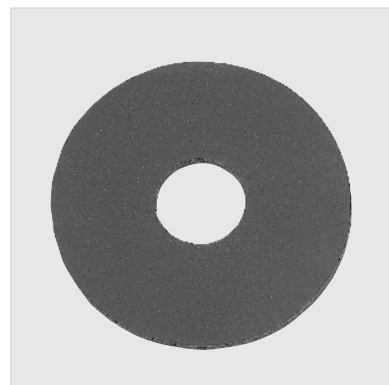
MODEL SPRINGB
DESCRIPTION Black shock spring



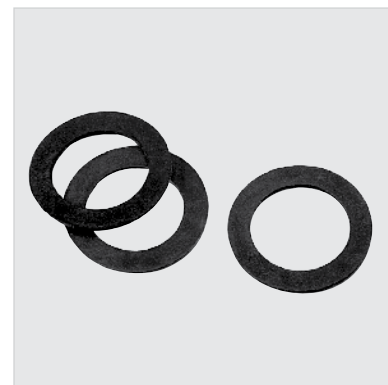
MODEL WACLIP
DESCRIPTION Mounting clips for WA700/2700 Series 2 per package



MODEL QCONE.073B
DESCRIPTION Black Q cone / Q base, .073 dia.
QCONE.100B Black Q cone / Q base, .100 dia.
QCONE.125B Black Q cone / Q base, .125 dia



MODEL RGFBIANT
DESCRIPTION Rubber gaskets for FB1 antenna



MODEL RGNMOANT
DESCRIPTION Rubber gasket for NMO coil/bases
RGPOMNT Rubber gasket for PO mounts



MODEL WASUCTIONCUP
DESCRIPTION Suction cup mounts for WA700/2700 Series - 2 per package



MODEL YAGIKITHD
DESCRIPTION Mounting hardware for 2 1/2" pipe for YA3, YA5 and YA6 antennas



MODEL TMB34
DESCRIPTION Trunk Mount Bracket
TBM34B Trunk Mount Bracket (Black)

COAX TYPES | PART NUMBERS



RG-174 Small Diameter Coax

RG-174 is the industry standard for applications requiring a small diameter, highly flexible coax. Frequently used in mobile mag mount applications. Subject to higher losses at higher frequencies. Good performance for environmental variations but lower in overall ruggedness.

Recommended Applications

Mobile/Portable less than 900 MHz where flexibility and small diameter is important.

Larsen Part Number RG-174
Stocking Lengths 1000'/Spool
Cut to order



RG-213 - Stranded Bare Braid Mil Spec QPI

This RG-8-sized cable uses a stranded center conductor with a polyethylene dielectric and PVC jacket. Built to Mil Specs this cable is used in all Larsen UHF/VHF products targeted for outdoor installation.

Recommended Applications

For lower frequency applications requiring high ruggedness.

Larsen Part Number RG-213
Stocking Lengths 500' or 1000'/Spool
Cut to order



RG-58U - Low Loss Dual Shield with Solid Center Conductor (UD)

This is Larsen's premium coax for 800 and 900 MHz applications. The solid center conductor (20 AWG) is easy to use with all connectors. Digital applications benefit from the 100% Duofoil aluminum shield. The shield is not glued to the dielectric making it easier to peel back for connector installation. The braid is 95% coverage. This cable is standard for most mounting kits over 800 MHz and can be special ordered with other frequencies. Uses standard RG-58 connectors.

Recommended Applications

For all applications at 800 MHz and above.

Larsen Part Number UD Coax
Stocking Lengths 1000'/Spool
Cut to order



RG-58A/U CX Standard Coax

The industry standard in quality, value-priced coax. Stranded center conductor offers good flexibility and long-life under most conditions. Not typically recommended for applications above 512 MHz due to higher losses. Uses standard RG-58 connectors.

Recommended Applications

General applications under 512 MHz. First choice for value priced coax.

Larsen Part Number CX Coax
Stocking Lengths 1000'/Spool
Cut to order



RG-58A/U - "Digi-Shield"TM Low Loss Braided Center

Employs two shields, consisting of a full aluminum/mylar wrap covered by a braid. This combination of shields, plus low-loss dielectric material and stranded center conductor makes an excellent choice for mobile applications. Performance features include low-loss and high flexibility. Uses standard RG-58 connectors.

Recommended Applications

Higher performance applications where lower loss and flexibly are important. Recommended for applications above 800 MHz.

Larsen Part Number DS Coax
Stocking Lengths 1000'/Spool
Cut to order

COAX SPECIFICATION COMPARISON

TECHNICAL CHARACTERISTICS OF INSULATION AND JACKET COMPOUNDS

PVC

Sometimes referred to as vinyl or polyvinyl chloride. Extremely high or low temperature properties cannot be found in one formulation. Certain formulations may have -55° C to +105° C rating. Other common vinyls may have -20° C to +60° C. There are many formulations for the variety of different applications. The many varieties of PVC also differ in pliability and electrical properties. The price range can vary accordingly. Typical dielectric constant values can vary from 3.5 to 6.5.

POLYETHYLENE (SOLID AND FOAM)

A very good insulation in terms of electrical properties. Low dielectric constant, a stable dielectric constant over all frequencies, very high insulation resistance. In terms of flexibility, polyethylene can be rated stiff to very hard, depending on molecular weight and density — low-density being the most flexible, and high-density, high-molecular weight formulation being very hard. Moisture resistance is rated excellent. Correct Brown and Black formulations have excellent weather resistance. The dielectric constant is 2.3 for solid insulation and 1.64 for foam designs. Flame retardant formulations are available with dielectric constants ranging from about 1.7 for foam flame retardant to 2.58 solid flame retardant polyethylene.

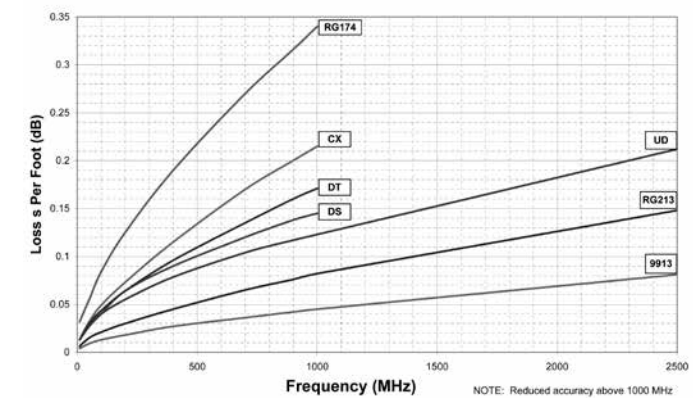
TEFLON

This material has excellent electrical properties, temperature range and chemical resistance. It is not suitable where subjected to nuclear radiation and does not have good high voltage characteristics. FEP Teflon is extrudable in a manner similar to PVC and polyethylene. This means long wire and cable lengths are available. TFE Teflon is extrudable in hydraulic ram-type process. Lengths are limited due to amount of material in the ram, thickness of the insulation and preform size. TFE must be extruded over a silver- or nickel-coated wire. The nickel- and silver-coated designs are rated 260° C and 200° C maximum, respectively. The cost of Teflon is approximately 8 to 10 times more per pound than PVC compounds.

COMPARATIVE PROPERTIES OF INSULATION AND JACKET

| | PVC LOW-DENSITY | POLYETHYLENE |
|---------------------------------------|--------------------|--------------|
| Oxidation Resistance | E | E |
| Heat Resistance | G-E | G |
| Oil Resistance | F | G-E |
| Low Temperature Flexibility | P-G | E |
| Weather, Sun Resistance | G-E | E |
| Ozone Resistance | E | E |
| Abrasion Resistance | F-G | G |
| Electrical Properties | F-G | E |
| Flame Resistance | E | P |
| Nuclear Radiation Resistance | F | G-E |
| Water Resistance | F-G | E |
| Acid Resistance | G-E | G-E |
| Alkali Resistance | G-E | G-E |
| Gasoline, Kerosene, Etc. | | |
| (Aliphatic Hydrocarbons) Resistance | P | G-E |
| Benzol, Toluol, Etc., | | |
| (Aromatic Hydrocarbons) Resistance | P-F | P |
| Degreaser Solvents | | |
| (Halogenated Hydrocarbons) Resistance | P-F | G |
| Alcohol Resistance | G-E | E |
| Underground Burial | P-G | G |

Cable Attenuation



NOMINAL TEMPERATURE RANGE INSULATING AND JACKETING COMPOUNDS

| Compound | Low | High | Low | High |
|----------------------|--------|--------|--------|--------|
| Polyethylene - Solid | -60° C | 80° C | -- | -- |
| Polyethylene - Foam | -60° C | 80° C | -- | -- |
| FEP Teflon | -70° C | 200° C | -- | -- |
| PVC | -20° C | 80° C | -55° C | 105° C |
| TFE Teflon | -70° C | 260° C | -- | -- |

Questions? Call us at: **+1.800.ANTENNA**



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