



## MARATHON CATALOG



**SPECIALTY CABLES**

**PREMISE CABLE**

**CABLE TIES**

**DROP HARDWARE**

**POLE LINE HARDWARE**

**GUY WIRE HARDWARE**

**LASHING WIRE**

**POLE BANDING PRODUCTS**

**PEDESTALS**

**GROUNDING HARDWARE**

**WATERPROOFING**

**DRILL BITS**

**PASSIVES**

**FIRST AID KITS**

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# Enduring Quality, Exceptional Value.

As technology in the broadband market continues to evolve seemingly overnight, one thing always remains the same – the need for high quality, cost-effective connectivity and hardware products to build, maintain and upgrade your physical plant.

Marathon broadband products are installed in thousands of telecommunications networks domestically and internationally. Drop passives, pedestals, hardware and tool accessories are just some of the wide range of products to choose from. Technical and buying experts alike have come to recognize the Marathon brand to be synonymous with a highly reliable core product set that provides quality installation and performance at a superior value.

The Marathon product line continuously expands its product offering. We have made significant investments in research, development and testing to ensure that our products meet or exceed technical applications and industry standards, including SCTE and UL when applicable. Above all, we have made the most important investment of time by listening to our customers, learning what they need to meet their short and long-term objectives, delivering optimal solutions in a highly competitive marketplace.

Marathon Broadband Products - Enduring Quality, Exceptional Value.

## ADDITIONAL SERVICE OFFERINGS

### PRODUCT TRAINING

Marathon Sales and Product Management personnel are available for product training at customer or project site locations. In addition, we conduct WebEx/remote training on many of our products.

### SYSTEM DESIGN AND INTEGRATION

For headend and field applications, we can work with customers to determine the most appropriate equipment and connectivity products needed for various projects. Additionally, we can provide on-site system integration and installation support for many applications including VoIP, VOD and Digital Transport.

### RETROFITTING

Some customers find that their unique system requirements are not met by "off-the-shelf" versions of certain products. Marathon has the ability to customize certain products to meet the specific needs of its customer.

### CUSTOM KITTING

Marathon works with many customers to package tools, self-installation kits for cable modems, VoIP, and HDTV related products for field technicians or construction crews. Kits can be made up of any products that we provide.

### AUTOCAD ENGINEERING

For Outside Plant and Underbridge applications, we have AutoCad design capability. Our engineers will work with customers to create specific mechanical or topographic oriented designs to facilitate project, application, product planning and Bill of Materials.

### FREIGHT, PACKAGING AND LOGISTICAL SUPPORT

Our business relies on getting products to our customers in a timely, efficiently packaged and cost effective manner. Our Freight Services continually evaluates the best methods and carriers to bring our product to our customers. Furthermore, customers can request packages, boxes, pallets, and truckloads to be packed, sorted and shipped to destinations in a precise manner that meets their specific customer needs, including environmentally friendly solutions.

## CAT5E PATCH CORDS

The Marathon CAT5E Patch Cords meet today's Gigabit Ethernet and Fast Ethernet Network requirements. These Patch Cords handle bandwidth intensive applications up to 350 MHz. Each Patch Cord meets all Cat 5E TIA/EIA standards, and drastically reduces both impedance and structural return loss (SRL) as compared to standard 100 MHz wire. Constructed with high-quality cable and a molded body plug. Product is available in 5', 7' or 15' lengths.

Part Number	Description	Packaging
MAR5CAT5	Patch Cord, CAT5E, Gray, 5'	250 Master Carton
MAR7CAT5	Patch Cord, CAT5E, Gray, 7'	200 Master Carton
MAR15CAT5	Patch Cord, CAT5E, Gray, 15'	150 Master Carton



## DVI TO HDMI JUMPERS

The Marathon DVI to HDMI Jumpers are used to connect DVD players, cable/satellite set-top boxes and High Definition televisions and projectors. DVI to HDMI Jumpers provide superior digital picture quality. Product is available in 6' and 12' lengths.

Part Number	Description	Packaging
MARDVIHDMI6	Jumper, DVI to HDMI, 6'	80 Master Carton
MARDVIHDMI12	Jumper, DVI to HDMI, 12'	50 Master Carton



## HDMI 1.3B CABLE SIMPLY HD

The Marathon HDMI 1.3b Cable Simply HD is a user friendly interconnect that supports High-Definition video plus multichannel audio in a single cable. HDMI eliminates the cost and complexity of multiple cables used to connect audio/video systems. Product is available in 6', 10' and 12' lengths.

Part Number	Description	Packaging
MARHDMI6	Jumper, HDMI to HDMI, 6'	140 Master Carton
MARHDMI10	Jumper, HDMI to HDMI, 10'	120 Master Carton
MARHDMI12	Jumper, HDMI to HDMI, 12'	100 Master Carton



## S-VIDEO JUMPERS

The Marathon S-Video Jumpers are used to connect Home Theater, DVR's/PVR's, DSS Receivers, VCR's, DVD's and Camcorders. S-Video Patch Cords are available in 6' and 12' lengths.

Part Number	Description	Packaging
MARSVID6	Jumper, S-Video, 6'	250 Master Carton
MARSVID12	Jumper, S-Video, 12'	125 Master Carton



## USB JUMPERS

Marathon USB Jumpers are used to connect Modems, Printers, Keyboard, Mice, Digital Cameras, Web Cameras and External Drives.

Part Number	Description	Packaging
MARUSB6	Jumper, USB 6'	250 Master Carton



## RCA 2-AUDIO/1-VIDEO JUMPERS

Marathon Premium RCA 2-Audio/1-Video jumpers provide an ideal way to connect DVR's, VCRs, and DVD players/recorders. Product is available in 6' and 12' lengths.

Part Number	Description	Packaging
MAR3W6COMP	Jumper, RCA 3-Wire 2 Audio/1 Video, 6'	60 Master Carton
MAR3W12COMP	Jumper, RCA 3-Wire 2 Audio/1 Video, 12'	40 Master Carton



## 5-WIRE RCA HDTV COMPONENT

The Marathon 5-Wire RCA HDTV Component Video Jumpers are used to connect High-Definition video and audio equipment. Product is available in 6' and 12' lengths.

Part Number	Description	Packaging
MAR5W6COMP	Jumper, RCA 5-Wire HDTV Component, 6'	50 Master Carton
MAR5W12COMP	Jumper, RCA 5-Wire HDTV Component, 12'	20 Master Carton



## PREMISE WIRE

This cost-effective cable is designed to meet and exceed the specifications of today's high speed networks. Marathon Premise Wire is highly flexible and easy to use for indoor application.

- **MAR6001001GY** - Cable, Category 3, 2 pair, 24 AWG, Grey, (UTP), UL/cUL, CSA, ELT Verified, CMR Rated
- **MAR6001002GY** - Cable, Category 5e, 4pair, 24 AWG, Grey, (UTP), UL/cUL, CSA, TIA/EIA-568B and ELT Verified, CMR Rated
- **MAR6001002BL** - Cable, Category 5e, 4 pair, 24 AWG, Blue, (UTP), UL/cUL, CSA, TIA/EIA-568B and ELT Verified, CMR Rated
- **MAR6001003BL** - Cable, Category 6, 4 pair, 23 AWG, Unshielded Twisted Pair, Blue (UTP), UL/cUL, CSA, TIA/EIA-568B and ELT Verified, CMR Rated

Part Number	Description	U/M	Packaging
MAR6001001GY	Cable, Category 3, 24AWG, 2 PR, Grey	1000'	1000' Pull Box
MAR6001002GY	Cable, Category 5e, 24AWG, 4 PR, Grey	1000'	1000' Pull Box
MAR6001002BL	Cable, Category 5e, 24AWG, 4 PR, Blue	1000'	1000' Pull Box
MAR6001003BL	Cable, Category 6, 23AWG, 4 PR, Blue	1000'	1000 Pull Box

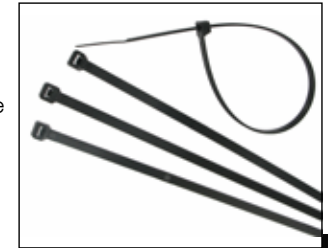


## CABLE TIES

The Marathon Cable Ties are manufactured from polyamides (Nylon 6/6). Nylon possesses an outstanding balance of properties, combining strength, moderate stiffness, high service temperature and a high level of durability. Particularly resistant to repeated impact, nylon has a low coefficient of friction and excellent abrasion resistance. Marathon Cable Ties exceed the required industry standard tensile strength.

Special features include:

- Faster - low insertion and pull through force
- Stronger - high tensile strength is achieved from one piece, advanced pawl, and teeth design
- Easier - angled tail provides quicker initial insertion alignment and tail finger grips allow easier handling and tightening
- Safer - rounded edges provides added safety and eliminates insulation damage
- Manufactured from filtered nylon reducing particle contamination
- Black Ties are UV rated
- 8", 11" & 14" UL Recognized/CSA Approved
- UL rated for indoor and outdoor use
- ROHS Compliant
- **Made in USA**



Part Number	Description	Packaging
MART408BC	Tie, Cable, 8 Inch, 40lb, Black, 100 Pk	10,000 Master Carton/ 100 bag
MART4011BC	Tie, Cable, 11 Inch, 40lb, Black, 100 Pk	5,000 Master Carton/ 100 bag
MART4014BC	Tie, Cable, 14 Inch, 40lb, Black, 100 Pk	5,000 Master Carton/ 100 bag
MART508BC	Tie, Cable, 8 Inch, 50lb, Black, 100 Pk	10,000 Master Carton/ 100 bag
MART508NC	Tie, Cable, 8 Inch, 50lb, Natural, 100 Pk	10,000 Master Carton/ 100 bag
MARTM508BC	Tie, Cable 8 Inch with mounting hole, 50lb, Black, 100 Pk	10,000 Master Carton/ 100 bag
MART5011BC	Tie, Cable, 11 Inch, 50lb, Black, 100 Pk	5,000 Master Carton/ 100 bag
MART5014BC	Tie, Cable, 14 Inch, 50lb, Black, 100 Pk	5,000 Master Carton/ 100 bag
MART1208BC	Tie, Cable, 8 Inch, 120lb, Black, 100 Pk	10,000 Master Carton/ 100 bag
MART12011BC	Tie, Cable, 11 Inch, 120lb, Black, 100 Pk	5,000 Master Carton/ 100 bag
MART12014BC	Tie, Cable, 14 Inch, 120lb, Black, 100 Pk	5,000 Master Carton/ 100 bag

Other sizes available upon request.

## DROP HARDWARE

### Q-SPAN CLAMP

Q-Span Clamps are used in drop cable installations as an attachment to strand for either accepting the bail of Drop Wire Clamps, or for wrapping the support wire of drop cable.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARA2	Q-Span Clamp	EA	25	5



### PLASTIC ANCHORS

D Plastic anchors are used with wood screws or tapping screws for making lightweight attachments (under 50 lbs). Used in concrete, hollow block, solid block, and wallboard, the anchors have a flange at top end to prevent anchor from sinking in hole during installation in hollow materials. The ribs prevent anchor from turning and to prevent pullout. Manufactured in the United States.

Part Number	Description	Min. Hole Depth	Recommended Hole Diameter	U/M	Std. Pkg. Qty	Master Carton
MAR1001410	Anchor, "D" Plastic, #8-10-12 X 1", Use 1/4" Drill Bit	1"	1/4"	EA	100	3200
MAR1001411	Anchor, "D" Plastic, #4-6-8 X 3/4", Use 3/16" Drill Bit	7/8"	3/16"	EA	100	4000



## CROSSOVER CLAMP

Marathon crossover clamp are used in aerial construction at the mid span to clamp two 1/4" strands together perpendicularly. The crossover clamp has two 3/8" x 1" Hex Bolts threaded into the clamp body. All components are mechanically galvanized to meet ASTM Specification B695, Class 50, Type 1. Product is manufactured in the United States.

Part Number	Description	Packaging
MAR290997	Clamp, 1/4" Crossover	50/Cartron



## LAG SCREWS

Marathon Lag Screws are used for making attachments to telephone poles and other wood structures. Made of formed Grade 2 steel with square heads, Marathon Lag Screws are mechanically galvanized to meet ASTM Specifications B695, Class 50, Type 1.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR8722	Square Head Lag Screw, 1/4" X 2"	EA	50	2
MAR872212	Square Head Lag Screw, 1/4" X 2-1/2"	EA	50	2



## DRIVE HOOK

A Marathon Drive Hook is used for supporting bail-type drop wire clamps from poles. The drive hook has rolled fetter drive threads and a pilot point for easy starting.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR3318	Drive Hook, Fetter Point, 5/16" X 3-1/2"	EA	500	12



## CABLE GUARD STAPLE - 2-HOLE

Marathon 2-Hole Cable Guard Strap is used to secure 2-3/16" U-Guard to utility poles. Clamp is made of 1/8" X 3/4" Galvanized Steel. Mounting Holes are 9/32". Clamps are made in USA.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR996	Strap, Cable Guard, 2-3/16"	EA	25	200



## DEADENDS

Marathon Deadends, installed at the top, the breaker and the anchor, provide today's most effective method for securing guy strand. This unique, one-piece deadend is neat in appearance and free from bolts or high-stress holding devices.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARGDE1104	Guy Grip Deadend, 1/4" Galvanized, B-Coat*	EA	50	24
MARGDE1104LA	Guy Grip Deadend, 1/4" Galvanized, A-Coat	EA	50	30
MARGDE1106	Guy Grip Deadend, 5/16" Galvanized, B-Coat*	EA	50	39



## FALSE DEADENDS

Marathon False Deadends are a fast, safe, and economical method for false dead-ending strand. They are designed to be easily applied without any special tools, and because false deadends are made from the same material as the strand, they will hold the same published rated breaking strength.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARGFDE2121	False Deadend, 1/4" Galvanized, C-Coat**	EA	25	17
MARGFDE2123	False Deadend, 5/16" Galvanized, C-Coat**	EA	25	24

## STRAND SPLICES

Marathon Strand Splices are used to repair strand or messenger simply and economically. All applications can be checked visually - no guess work involved. Marathon Strand Splices provide maximum strength and excellent fatigue characteristics resulting in longer life for both strand and messenger.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARGLS1104	Strand Splice, 1/4" Galvanized, B-Coat*	EA	50	34
MARGLS2104	Strand Splice, 1/4" Galvanized, C-Coat**	EA	50	34
MARGLS2106	Strand Splice, 5/16" Galvanized, C-Coat**	EA	50	46

\*Galvanized Steel, B-Coat for use on High Strength Class A 1/4" Strand. Galvanized Steel  
\*\*C-Coat for best use on Extra High Strength or Utility Grade Class C Strands



## GUY HARDWARE

Marathon Guy Markers are used for identifying down guys or other wire and cable installations where anchoring devices are exposed to pedestrian and/or vehicular traffic.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR1498	Guy Marker, 2/3 Round Yellow, 2-1/2"OD, Wire Tie, 8' long	EA	20	35
MAR5718	Guy Marker, Full Round Yellow, 1-1/4"OD, Wire Tie, 8' long	EA	25	27



## STAINLESS STEEL LASHING WIRE

Marathon Stainless Steel Lashing Wire is made from various grades of stainless steel. It is coiled to fit all standard lashers such as the C, J2 or the Apollo Lasher machines. The lashing wire is wrapped around aerial cable or combination of cables to a supporting strand between poles. Marathon lashing wire offerings are either .038 inch diameter or .045 inch diameter, manufactured in lengths of 1200' or 1600' coils. It is available in a 430, 302 and 316 stainless steel alloy, packaged in cartons of 6 coils.

### Type 430 Stainless

- 16 – 18% chromium content
- Type 430 SS wire is recommended for general use and in ordinary atmospheric conditions. Not recommended for use within 25 miles of salt water or industrial operations which emit pollutants.

### Type 302 Stainless

- 18 – 20% chromium content and minimum 8% nickel
- Type 302 SS wire is recommended for use in corrosive environments with high tensile strength and breaking load.

### Type 316 Stainless

- Contains 10% nickel content and 2.5- 3.0% molybdenum
- Type 316 SS wire is more resistant to the corrosive action of most chemicals, including chlorides and sulfides. Type 316 stainless steel provides the best insurance against failure under the most severe atmospheric conditions and is recommended for use in salt water and high industrial environments.



Part Number	Size	Type	Tensile Strength	Ave. Break (lbs)	Std. Pkg.	Coil Length	Weight Per Coil	Ave Weight Per Box (lbs)
MAR038302	.038	302	95K-125K psi	115	6	1600'	6.5	40
MAR045302	.045	302	95K-125K psi	165	6	1200'	6.5	40
MAR045316	.045	316	70K-95K psi	125	6	1200'	6.5	40
MAR045430	.045	430	95K-120K psi	150	6	1200'	6.5	40

# POLE BANDING PRODUCTS

## BANDING

Type 201 stainless steel has superior yield and tensile strength properties to provide maximum clamping strength. All Band sizes feature fully rounded smooth edges for safety and easy installation. For clamps of even greater strength, use a double wrap, threading the Marathon Buckle each time around.

## BANDING TOOL

A drop forged tool with tensioning capability of over 2,400 lbs. and a built-in cutter.

- Spring loaded gripper lever for improved band tensioning
- Friction held cutoff lever with plastic grip for easier operation
- Permanent lubrication on the tension screw to extend tool life and speed clamping
- Zinc plated black chromate finish to provide superior corrosion resistance
- Spin handle retaining ring to keep parts intact. The Marathon tool is used to apply bands and buckles.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR402	Heavy Duty Banding Tool	EA	1	4.3
MAR001	1/4"-3/4" Banding Tool	EA	1	4.3
MAR203	3/8" Type 201 SS Band	Roll	100'/Roll	3.2
MAR204	1/2" Type 201 SS Band	Roll	100'/Roll	5.1
MAR205	5/8" Type 201 SS Band	Roll	100'/Roll	6.4
MAR206	3/4" Type 201 SS Band	Roll	100'/Roll	7.7
MAR404	1/2" Type 316 SS Band	Roll	100'/Roll	5.1
MAR405	5/8" Type 316 SS Band	Roll	100'/Roll	6.4
MAR430	3/4" Type 201 Heavy Duty SS Band	Roll	100'/Roll	11.6
MAR431	1" Type 201 Heavy Duty SS Band	Roll	100'/Roll	13.7
MAR432	1-1/4" Type 201 Heavy Duty SS Band	Roll	100'/Roll	17.2

## BUCKLES

Marathon Buckles in Type 201 stainless steel are designed to accommodate both single and double wrap applications. The unique teeth and ears provide for maximum clamping strength.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR253	3/8" Type 201 SS Buckle	EA	100/Box	1
MAR254	1/2" Type 201 SS Buckle	EA	100/Box	2.3
MAR255	5/8" Type 201 SS Buckle	EA	100/Box	2.5
MAR256	3/4" Type 201 SS Buckle	EA	100/Box	4
MAR440	3/4" Heavy Duty Type 201/301 SS Buckle	EA	25/Box	1.6
MAR441	1" Heavy Duty SS Buckle	EA	25/Box	2.4
MAR442	1-1/4" SS Buckle	EA	25/Box	3.2



## BOLTS/CLAMPS

- Aluminum extruded housing with plated carriage bolt, nut and washer.

## PLATES

- Aluminum extruded plate with 5/8" x 2" (50.8mm) plated bolt and nut
- Available in two different sizes
- Band slot width 1.375" to accommodate a single or double wrap of our 1-1/4" wide x .044 thick band.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MAR500	Bolt & Clamp for 3/4" Band	EA	50	24
MAR504	Bolt & Clamp for 1-1/4" Band	EA	25	33
MAR510	Mounting Plate, 1-1/2" X 4-3/4"	EA	25	16
MAR512	Mounting Plate, 1-1/2" X 5-1/4"	EA	25	22



# PEDESTALS

## PEDESTALS

Marathon Pedestals are available in both louvered and non-louvered, square designs with rounded corners. The pedestals are molded from a modified linear low-density polyethylene specifically designed to resist impact, ultraviolet degradation, and environmental degradation.

Part Number	Description	Ship Wt.	Pallet Qty.
MAR6001201 XXX	Non-Louvered, 8" x 8" x 15"	8 lbs.	100
MAR6001203 XXX	Non-Louvered 9" x 10" x 19"	10 lbs.	80
MAR6001205 XXX	Non-Louvered, 10" x 11" x 29"	12 lbs.	24
MAR6001210 XXX	Louvered, 12" x 14" x 34"	15 lbs.	10
MAR6001215 XXX	Louvered, 13" x 16" x 32"	20 lbs.	10
MAR6001220 XXX	Louvered, 14" x 22" x 33"	25 lbs	6
MAR6001230 XXX	Louvered, 12" x 30" x 18"	35 lbs	10
MAR6001240 XXX	Louvered, 17" x 30" x 20"	35 lbs	8
MAR6001245 XXX	Louvered, 17" x 35" x 35"	40 lbs	4
MAR6001250 XXX	Louvered, 24" x 36" x 26"	45 lbs	4



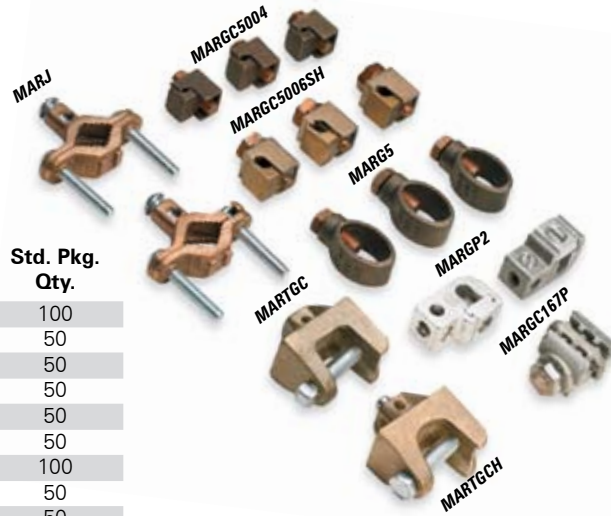
Color X		Lock Type X		Bolt Type X			
A	Light Green	A	Hasp Lock	A	Pattern 79	G	Pattern 710
B	Medium Green	C	Slam Lock	B	Pattern 801	H	7/16 SEMS Bolt
C	Dark Green			C	Pattern 35	I	3/8" Pin Allen Bolt
				D	Pattern 85	J	Pattern 83
Example Part Number: MAR6001201ACK				E	Pattern 802	K	P key
<b>ACK=LIGHT GREEN, SLAM LOCK, BOLT P KEY</b>				F	Pattern 112		

\*All Pedestals Have "TELEVISION" Logo On Cover\*

## CLAMPS AND CONNECTORS

Marathon Ground Clamps and Connectors offer a variety of Broadband and Telecommunication grounding products to suit most grounding requirements. All Marathon Ground Clamps and Connectors are UL listed, in stock and ready to ship. Contact your local TVC representative for more information.

Part Number	Description	Range of Equal Main & Tap	U/M	Std. Pkg. Qty.
MARG5	Ground Rod Clamp 5/8"	N/A	EA	100
MARGC167P	Ground Clamp Piercing Vise*	8 Sol. - 4 Str.	EA	50
MARGC5004	Ground Clamp, Vise Type*	6 Sol. - 4 Str.	EA	50
MARGC5006SH	Ground Clamp Vise Type*	8 Sol. - 6 Sol.	EA	50
MARGP2	Connector, Grounding*	2 Str. - 12 Str.	EA	50
MARJ	Clamp, Ground Pipe, Bronze*	10 Sol. - 2 Str.	EA	50
MARJAB58H	Clamp, Ground Rod 5/8"	N/A	EA	100
MARTGC	Clamp, Ground Trailer Beam Square Head*	14 Sol. - 6 Sol.	EA	50
MARTGCH	Clamp, Ground Trailer Beam Hex Head*	14 Sol. - 6 Sol.	EA	50
MARGC5	Clamp, Ground Pipe, Zinc 1/2" - 1"	#4 - #14 AWG	EA	100
MARAJ	Clamp, Ground Pipe, Aluminum 1/2" - 1"	#4 AWG - #14 AWG	EA	100



## SPLIT BOLT CONNECTORS

Marathon Split Bolts are used to make bonding connections between two copper ground wires. The bolt and nut are formed from high-strength corrosion resistant C210 copper. Marathon Split Bolts have a specially designed pressure bar which provides high pull out strength. Tested and UL listed to UL486A requirements.

Part Number	Description	Range of Equal Main & Tap	U/M	Std. Pkg. Qty.
MAR1H	Connector, Split Bolt 4 SOL*	6 Sol. - 2 Str.	100	8
MAR4H	Connector, Split Bolt 8 SOL*	8 Sol. - 4 Sol.	100	7
MAR6H	Connector, Split Bolt 10 SOL*	10 Sol. - 6 Sol.	100	5
MAR8H	Connector, Split Bolt 16 STR*	16 Str. - 8 Str.	100	3



\*UL Listing: CU 486A Power & 467 Grounding / Suitable For Direct Burial  
CSA (Canadian Standards Association) Listing: C22.2 No. 65 Power & No. 41 Grounding / Suitable For Direct Burial

## BONDING CLAMPS

Marathon "K" Series Bonding Clamps are used to bond 1/4" and 5/16" galvanized strand to #6AWG copper ground wire.

- MARK1 Bonding Clamp is a plated bronze clamp with plating removed from one groove of clamp for steel strand to copper or copper bonded steel wire applications.
- MARK2 Bonding Clamp is bronze plated on either groove for aluminum or galvanized steel strand to aluminum or galvanized steel strand applications.
- MARK3 Bonding Clamp is not plated for copper to copper wire applications.
- MARKUL Bonding Clamp is used for all aluminum, steel and copper conductor applications. It is made of two mating copper alloy castings secured by a silicone bronze bolt.

Part Number	Description	Conductor Range	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARK1	Clamp, Bonding Strand to Copper Bond	6 sol - 1/4", 5/8" Guy strand	EA	50	7.5
MARK2	Clamp, Bonding Jumper Al/Steel Strand to Al/Steel Strand	6 sol - 1/4", 5/8" Guy strand	EA	50	7.5
MARK3	Clamp, Bonding Jumper Copper to Copper Bond	6 sol - 1/4", 5/8" Guy strand	EA	50	7.5
MARKUL*	Clamp, Bonding Jumper UL* All Al/Cu/Steel Conductors	6 sol - 1/4", 5/8" Guy strand	EA	50	7.5



\*UL Listed; CU 90°C UL467 Grounding & Bonding / US & Canada

## HEATSHRINK

Marathon Heat Shrink provides maximum insulation and weatherproofing protection for your cable connections. Matching industry standard sizes and application, Marathon Heat Shrink provides an economical long term solution in protecting cable connections and splices against age and weathering elements. Available in 11/13 and 15/17 sizes in 48-inch lengths.

Part Number	Description	UM	Std. Pkg. Qty.	Pkg. Wt. (Lbs.)
MARHS1311	Tubing, Heat Shrink, 1.3", 48" Long, Black	EA	60	22
MARHS1517	Tubing, Heat Shrink, 1.5", 48" Long, Black	EA	40	19



## SELF-FUSING TAPE

Marathon Self-Fusing Tape protects irregular adapters such as Housing-to-Housing Coupling Connectors and Right Angle Connectors. It can also be used to repair damaged aerial or underground cable. The Marathon Self-Fusing Tape is a synthetic rubber compound formulated to bond to itself. As you stretch the tape, its memory will attempt to return to its original unstressed position, applying constant pressure onto itself. As it applies this pressure, it begins an immediate bonding process that unifies it into one solid piece.

Part Number	Description	U/M	Packaging
MARSFT150	Tape, Self Fusing, 1.5" X 15' Long	EA	72/Cartron



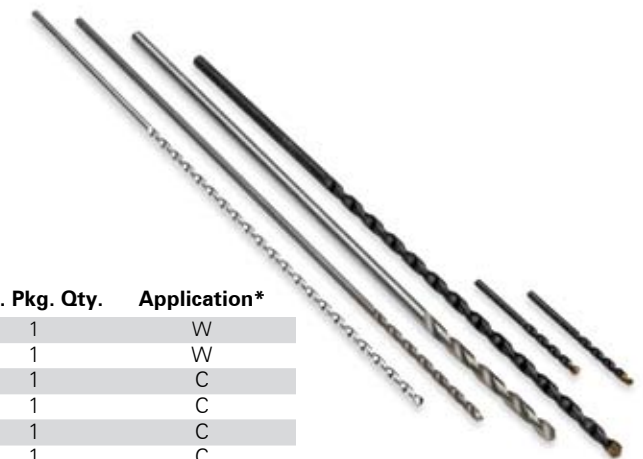
# DRILL BITS

## DRILL BITS

For wood or concrete drilling, Marathon Drill Bits offering will meet your drilling needs. Marathon Drill Bits offer a large variety of styles commonly used in the industry. Contact your local TVC Customer Service representative for more information.

Part Number	Description	U/M	Std. Pkg. Qty.	Application*
MARDBA3818	Drill Bit, Ship Auger 3/8" x 18"	EA	1	W
MARDBAI111617	Drill Bit, Impact Auger 11/16" x 17"	EA	1	W
MARDBC3418	Drill Bit, Carbide Tipped Bellhanger 3/4" x 18"	EA	1	C
MARDBC3818	Drill Bit, Carbide Tipped Bellhanger 3/8" x 18"	EA	1	C
MARDBCT8412	Drill Bit, Consert #8 x 4-1/2"	EA	1	C
MARDBM111624	Drill Bit, Carbide Tipped Pole 11/16" x 24"	EA	1	C
MARDBMB1218	Drill Bit, Carbide Tipped Bellhanger 1/2" x 18"	EA	1	C
MARDBMB1418	Drill Bit, Carbide Tipped Bellhanger 1/4" x 18"	EA	1	C
MARDBSB1454	Drill Bit, Stretch 1/4" x 54"	EA	1	W
MARDBSB3854	Drill Bit, Stretch 3/8" x 54"	EA	1	W
MARDBSB3872	Drill Bit, Stretch 3/8" x 72"	EA	1	W
MARDBSS3164	Drill Bit, Slow Spiral 3/16" x 4"	EA	1	C
MARDBWB1418	Drill Bit, Wood Bellhanger 1/4" x 18"	EA	1	W
MARDBWB3818	Drill Bit, Wood Bellhanger 3/8" x 18"	EA	1	W
MARDBWB71618	Drill Bit, Wood Bellhanger 7/16" x 18"	EA	1	W

\* W - Wood; C - Concrete



### 1 GHz HI-Q DIGITAL SPLITTERS - HORIZONTAL 2, 3 AND 4 PORT SERIES

Marathon series of splitters provides exceptional value, outstanding performance and high reliability for two-way digital broadband systems.

The Horizontal Series offers high performance in 15-42MHz and 50-1002MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable nickel alloy plated zinc cast housing.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1002H	Splitter, Horizontal 2-way, 1 GHz	EA	200/25	42.9/5.4
MARS1003H	Splitter, Horizontal 3-way, 1 GHz	EA	200/25	49.5/6.2
MARS1003BH	Splitter, Horizontal 3-way, 1 GHz Balanced	EA	200/25	49.5/6.2
MARS1004H	Splitter, Horizontal 4-way, 1 GHz	EA	200/25	50.0/6.3
MARS1002HP	Splitter, Horizontal 2-way, 1 GHz with Single Port Power Pass	EA	200/25	42.9/5.4
MARS1003HP	Splitter, Horizontal 3-way, 1 GHz with Single Port Power Pass	EA	200/25	49.5/6.2
MARS1003BHP	Splitter, Horizontal 3-way, 1 GHz Balanced with Single Port Power Pass	EA	200/25	49.5/6.2
MARS1004HP	Splitter, Horizontal 4-way, 1 GHz with Single Port Power Pass	EA	200/25	50.0/6.3

### 1 GHz HI-Q DIGITAL SPLITTERS - HORIZONTAL 8, 12 & 16 PORT SERIES

Marathon series of splitters provides exceptional value, outstanding performance and high reliability for two-way digital broadband systems. Ideal for high reliability headend, node and MDU splitting and combining applications.

Marathon 8, 12 & 16 port Horizontal Series offers high performance in 15-42MHz and 50-1002MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi and SMT high reliability.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1008H	Splitter, Horizontal 8-way, 1 GHz	EA	100/25	35.2/8.8
MARS1012H	Splitter, Horizontal 12-way, 1 GHz	EA	20/5	24.5/1.2
MARS1016H	Splitter, Horizontal 16-way, 1 GHz	EA	20/5	27.5/1.3

### 1 GHz HI-Q DIGITAL SPLITTERS - VERTICAL 2, 3, 4, 6 & 8 PORT SERIES

Marathon series of splitters provides exceptional value, outstanding performance and high reliability for two-way digital broadband systems.

Marathon Vertical Series offers high performance in 15-42MHz and 50-1002MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable nickel alloy plated zinc cast housing.

The new Universal mount series has an additional mounting tab allowing right angle mounting as well as the vertical mount. The new mounting tabs are designed with a slip on mounting feature so the splitter can be slipped off without removing the screws enabling easy access to all ports at all times.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1002V	Splitter, Vertical 2-way, 1 GHz	EA	200/25	33.6/4.2
MARS1003V	Splitter, Vertical 3-way, 1 GHz	EA	200/25	44.0/5.5
MARS1003BV	Splitter, Vertical 3-way, 1 GHz, Balanced	EA	200/25	44.0/5.5
MARS1004V	Splitter, Vertical 4-way, 1 GHz	EA	200/25	44.8/5.6
MARS1006V	Splitter, Vertical 6-way, 1 GHz	EA	100/25	38.2/4.7
MARS1008V	Splitter, Vertical 8-way, 1 GHz	EA	100/25	40.0/10.0
MARS1002U	Splitter, Vertical 2-way, 1 GHz Universal Mount	EA	200/25	33.6/4.2
MARS1003U	Splitter, Vertical 3-way, 1 GHz Universal Mount	EA	200/25	44.0/5.5
MARS1003BU	Splitter, Vertical 3-way, 1 GHz Universal Mount Balanced	EA	200/25	44.0/5.5
MARS1004U	Splitter, Vertical 4-way, 1 GHz Universal Mount	EA	200/25	44.8/5.6
MARS1008U	Splitter, Vertical 8-way, 1 GHz Universal Mount	EA	100/25	40.0/10.0

### 1 GHz HI-Q DIGITAL SPLITTERS - FLAT TOP 2, 3 & 4 PORT SERIES

The New Flat-top Series by Marathon is designed and manufactured to the same high standards as the Horizontal and Vertical series. The user friendly, all ports down housing allows all input and output cables to be installed from one side making it ideal for subscriber installations in enclosures without compromising minimum bend radiuses. These units can also be installed in headend rack panels or in mounting strips in MDU enclosures.

Marathon 2, 3, 3B & 4 port Flat-top Splitters provide high performance in 15-42MHz and 50-1002MHz spectrums while offering full compliance to the SCTE 6Kv surge, F-port interface, low intermodulation and Isolation performance criteria. Addition features include enhanced 180 contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable Nickel alloy and plated and epoxy coated Zinc cast housing.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1002F	Splitter, Flat Top 2-way, 1 GHz	EA	100/25	20.2/5.1
MARS1003F	Splitter, Flat Top 3-way, 1 GHz	EA	20/5	21.3/5.3
MARS1003BF	Splitter, Flat Top 3-way, 1 GHz Balanced	EA	20/5	21.3/5.3
MARS1004F	Splitter, Flat Top 4-way, 1 GHz	EA	20/5	26.4/6.6



## 1 GHz HI-Q DIGITAL DIRECTIONAL COUPLERS "T" & WALL PLATE TYPE "L" SINGLE PORT SERIES

Marathon series single port couplers are available in a "T"-type and a wall plate right angle mount series. The high isolation coupler design makes this series ideal for dedicated IP and VoIP applications for the headend and subscriber. MARDC's are designed specifically for outstanding performance and value in high performance and high reliability two-way digital broadband systems.

Marathon DC Series offers high performance in 15-42MHz and 50-1002MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable nickel alloy plated zinc cast housing.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARDC11**L	Directional Coupler, Single Port Wall Plate, L-type, 1 GHz	EA	200/25	48.4/6.0
MARDC11**T	Directional Coupler, Single Port T-type, 1 GHz	EA	200/25	46.6/5.8

\*\*Specify dB Value AT: 04, 06, 09, 12, 16, 20, 24, 27 OR 30 dB

## MARFAM - INLINE F-PORT ATTENUATOR

Marathon Inline F-port Attenuators provide specified levels of attenuation in any passive 5MHz – 1GHz RF signal path. With the Female F to Male F design, these can be located anywhere in line to provide the desired levels to all devices.

The MARFAMs were designed for fine tuned flat attenuation with very stable RF pass and reliability in mind. The functional design includes many features like a nickel plated brass body and swivel head, a nickel plated and full gauge entry pin, SCTE approved flat face F-port interface and concise attenuation marking.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARFAM**	Attenuator, 1 GHz Inline Female F to Male F	EA	2000/100/10	50/2.5/.25

\*\*Specify dB Value AT: 01, 02, 03, 06, 09, 12, 16 OR 20 dB

## LOCKING TERMINATORS

Marathon offers a high quality series of Locking Terminators to protect your system from unauthorized use of your service. The design utilizes a high quality aluminum tooled body for strength and durability for harsh environments. Available with a 75ohm RF termination and models without resistor, these units are used for tap port protection, securing subscriber or MDU enclosures and many other F port security points. The MARTPT Series is compatible with the Gilbert GGTT4 and GGTT7 tools.

Additional features include optional or prepackaged seals, convenient 10 pack quantity packaging and high quality brass F port interface.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARTPT59	Terminator, Locking, 1/2watt 75ohm	EA	2000/100/10	57/2.8/.28
MARTPT59LR	Terminator, Locking, without resistor	EA	2000/100/10	57/2.8/.28
MARTPT59S	Terminator, Locking, 1/2watt 75ohm, with seals installed	EA	2000/100/10	62/3.1/.31
MARTPT59SLR	Terminator, Locking, without resistor, with seals installed	EA	2000/100/10	72/3.6/.36
MARTPTSR1/2	Seal, Neoprene, Terminator to tap port	EA	2000/100	8.0/.50
MARSR1/4	Seal, Neoprene, Universal F-port, 1/4" long	EA	2000/100	7.3/.36
MARSR3/8	Seal, Neoprene, Universal F-port, 3/8" long	EA	2000/100	7.3/.36
MARSR1/2	Seal, Neoprene, Universal F-port, 1/2" long	EA	2000/100	7.7/.40

## POWER INSERTER

Marathon Power Inserter is designed to insert power on the coaxial cable to remotely power drop amplifiers where no available power supply is located next to the amplifier.

- Zinc Die-cast housing for superior strength and stability.
- Convenient standard F port power and RF connections with enhanced 180° contacts for improved contact surface and retention.
- Integrated ground block for #10 - #6 AWG ground wires.
- Low insertion loss.
- Standard 12-18VDC power handling for most industry drop amplifiers
- SMT design for high reliability and consistent performance.
- RFI shielding greater than 120dB.
- Clearly marked durable label for installation



Part Number	Description	U/M	Std. Pkg. Qty.
MARDAPI	Power Inserter, 1000 MHz	EA	200/25

# FIRST AID KIT

Marathon 25 Person Industrial Kit, MARFAK, comes in a 6 1/2" x 9 1/2" x 2 1/2" metal case and includes:

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>Dressings</b>                | <b>Antiseptics</b>                |
| • 50 Adhesive Strips, 3/4" x 3" | • 10 Wound Wipes                  |
| • 1 Cotton, Sterile, 1/2 oz.    | • 3 Ammonia Inhalants             |
| • 2 Gauze Bandage, 2"           | • 1 First Aid/Burn Cream, 7/8 oz. |
| • 1 Combine Dressing            | • 12 Aspirin                      |
| • 1 Triangular Bandage          | • 1 Eye Irrigate, 1 oz.           |
| • 2 Gauze Pads, 4"              | <b>Misc. Supplies</b>             |
| • 4 Gauze Pads, 3"              | • 1 "Cold Snap" Cold Pack         |
| • 2 Eye Pads                    | • 1 Tweezers                      |
| • 1 Adhesive Tape, 1/2" x 5 yd  | • 1 Scissors                      |
|                                 | • 1 Pair Latex Gloves             |
|                                 | • 1 Set of Instructions           |



Order FAK-REFILL to replenish the MARFAK First Aid Kit.



The Marathon Brand is continually expanding. For the latest products, specifications and news, log on to [www.marathonbroadband.com](http://www.marathonbroadband.com) for details.



Customer Service Representatives are available from Monday through Friday, 7 AM to 8 PM EST.

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