SUPPORT AND PROTECTIVE PRODUCTS

NYLON CABLE TIES • SERRE-FILS EN NYLON • CINTILLO DE NYLON

Protect critical wire and cable systems in your vehicle. Reduce downtime and maintenance costs with Grote’s Support and Protective products.

• Made of general purpose (PA66) Polyamide 6.6 nylon material
• UL flame rating 94V-2
• Provides flexible bundling and mounting options for wire, cable and multiple size hoses
• Absorbs vibration, insulates cables and provides abrasion protection
• Black ties are U.V. coated and provide superior protection from drying out and cracking
• Continuous operating temperature -40°C (-40°F) to 85°C (185°F)
• Use Grote’s ergonomic and mechanical cable tie tools for an easy effective application (83-6527, 83-6528) on page 74
• Made in North America

**Federal ASTM Specifications**: D-4066PA0111 | **FDA Specifications**: CFR177.1500

**Nylon Cable Tie Assortment**
- Made of general purpose (PA66) Polyamide 6.6 nylon material
- Contains an assortment of the most popular cable ties available
- Compact and attractive polybag packaging with a clear view of all the products inside
- Available in white, U.V.-resistant black and assorted colors

**Listed Color Ties** help to ease wire identification

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<table>
<thead>
<tr>
<th>Light Duty Ties</th>
<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>83-6000</td>
<td>83-6000-3</td>
<td>4.10’ (124mm)</td>
<td>.10’ (2.5mm)</td>
<td>.75’ (19mm)</td>
<td>18 lbs</td>
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<td>83-6005</td>
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<td>8.10’ (250mm)</td>
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<td>2.00’ (51mm)</td>
<td>18 lbs</td>
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**Standard Ties**

<table>
<thead>
<tr>
<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>83-6000</td>
<td>83-6000-3</td>
<td>5.80’ (175mm)</td>
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<td>1.25” (32mm)</td>
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<td>White</td>
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<td>83-6018</td>
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<td>7.60’ (193mm)</td>
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<td>2.00” (51mm)</td>
<td>50 lbs</td>
<td>White</td>
</tr>
<tr>
<td>83-6019</td>
<td>83-6019-3</td>
<td>7.60’ (193mm)</td>
<td>.14’ (3.5mm)</td>
<td>2.00” (51mm)</td>
<td>50 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6020</td>
<td>83-6020-3</td>
<td>11.10” (282mm)</td>
<td>.14’ (3.5mm)</td>
<td>3.00” (76mm)</td>
<td>50 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6021</td>
<td>83-6021-3</td>
<td>11.10” (282mm)</td>
<td>.14’ (3.5mm)</td>
<td>3.00” (76mm)</td>
<td>50 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6026</td>
<td>83-6026-3</td>
<td>14.00” (356mm)</td>
<td>.14’ (3.5mm)</td>
<td>4.00” (101mm)</td>
<td>50 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6025</td>
<td>83-6025-3</td>
<td>14.00” (356mm)</td>
<td>.14’ (3.5mm)</td>
<td>4.00” (101mm)</td>
<td>50 lbs</td>
<td>Black</td>
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**Heavy Ties**

<table>
<thead>
<tr>
<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>83-6017</td>
<td>83-6017-3</td>
<td>9.00’ (274mm)</td>
<td>.30’ (7.6mm)</td>
<td>2.50” (63mm)</td>
<td>120 lbs</td>
<td>White</td>
</tr>
<tr>
<td>83-6016</td>
<td>83-6016-3</td>
<td>9.00’ (274mm)</td>
<td>.30’ (7.6mm)</td>
<td>2.50” (63mm)</td>
<td>120 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6028</td>
<td>83-6028-3</td>
<td>15.00’ (457mm)</td>
<td>.30’ (7.6mm)</td>
<td>4.00” (101mm)</td>
<td>120 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6029</td>
<td>83-6029-3</td>
<td>15.00’ (457mm)</td>
<td>.30’ (7.6mm)</td>
<td>4.00” (101mm)</td>
<td>120 lbs</td>
<td>Black</td>
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**Extra Heavy Ties**

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<th>Bundle Diameter</th>
<th>Strength</th>
<th>Color</th>
</tr>
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<tbody>
<tr>
<td>83-6121</td>
<td>NEW</td>
<td>24.60’ (750mm)</td>
<td>.35’ (8.9mm)</td>
<td>7.20” (183mm)</td>
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<td>White</td>
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<td>85-6120</td>
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<td>24.60’ (750mm)</td>
<td>.35’ (8.9mm)</td>
<td>7.20” (183mm)</td>
<td>175 lbs</td>
<td>Black</td>
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<tr>
<td>83-6118</td>
<td>NEW</td>
<td>38.00’ (1158mm)</td>
<td>.35’ (8.9mm)</td>
<td>11.00” (279mm)</td>
<td>175 lbs</td>
<td>White</td>
</tr>
<tr>
<td>83-6119</td>
<td>NEW</td>
<td>38.00’ (1158mm)</td>
<td>.35’ (8.9mm)</td>
<td>11.00” (279mm)</td>
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<td>Black</td>
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<tr>
<td>83-6122</td>
<td>NEW</td>
<td>48.00’ (1422mm)</td>
<td>.32’ (8.1mm)</td>
<td>15.00” (381mm)</td>
<td>175 lbs</td>
<td>White</td>
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**Color Ties** help to ease wire identification

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**Cable Tie Assortment Canister**
- Assortment of light to standard duty nylon cable ties
- 10 different cable ties ranging from 4” to 12” and in various colors
- 100 of each of the cable ties (total 1,000 pieces)
- Convenient storage canister
- Ideal use, at home, the garage or workshop

<table>
<thead>
<tr>
<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Color</th>
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<tr>
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<td>83-6030-3</td>
<td>7.80” (198mm)</td>
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<td>2.0” (51mm)</td>
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<td>7.80” (198mm)</td>
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<td>83-6032</td>
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<td>7.80” (198mm)</td>
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<td>2.0” (51mm)</td>
<td>50 lbs</td>
<td>Blue</td>
</tr>
<tr>
<td>83-6033</td>
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<td>2.0” (51mm)</td>
<td>50 lbs</td>
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<tr>
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<td>7.80” (198mm)</td>
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<td>50 lbs</td>
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<tr>
<td>83-6036</td>
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<td>7.80” (198mm)</td>
<td>.14” (3.5mm)</td>
<td>2.0” (51mm)</td>
<td>50 lbs</td>
<td>Gray</td>
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</table>
SUPPORT AND PROTECTIVE PRODUCTS

NYLON CABLE TIES • SERRE-FILS EN NYLON • CINTILLO DE NYLON

Screem Mount Ties

<table>
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<tr>
<th>Pack of 25</th>
<th>Pack of 50</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Mounting Color</th>
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<td>83-6104</td>
<td>83-6104</td>
<td>7.60” (193mm)</td>
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<tr>
<td>83-6105</td>
<td>83-6105</td>
<td>7.60” (193mm)</td>
<td>.18” (4.5mm)</td>
<td>1.90” (48mm)</td>
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<td>Black</td>
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<tr>
<td>83-6107</td>
<td>83-6107</td>
<td>12.20” (310mm)</td>
<td>.18” (4.5mm)</td>
<td>3.00” (76mm)</td>
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<td>83-6027</td>
<td>83-6027</td>
<td>15.60” (396mm)</td>
<td>.18” (4.5mm)</td>
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<td>83-6108</td>
<td>83-6108</td>
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<td>4.00” (101mm)</td>
<td>50 lbs</td>
<td>Black</td>
</tr>
<tr>
<td>83-6016</td>
<td>83-6016</td>
<td>16.20” (411mm)</td>
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<td>4.00” (101mm)</td>
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</tr>
<tr>
<td>83-6117</td>
<td>83-6117</td>
<td>16.20” (411mm)</td>
<td>.30” (7.6mm)</td>
<td>4.00” (101mm)</td>
<td>120 lbs</td>
<td>Black</td>
</tr>
</tbody>
</table>

Cable Tie Tension and Cutter “Gun Style” Tool

- Cable tie tension and cut-off tools reduce operator fatigue and speed assembly
- Ergonomic design ideally fits the operators hand
- Cushion grip for comfort
- Quick tension adjustability for a flush “cut-off”
- Equipped with a hook for easy hanging

MILITARY SPECIFICATIONS: MS90387-1 (83-6527), MS90387-2 (83-6528)

83-6527 For 16-50 lb Ties
83-6528 For 16-250 lb Ties

Cable Tie Tension and Cutter “Twister” Tool

- Compact tensioning tool enables cinching and cutting
- For cable ties ranging from 18lbs-50lbs tensile strength
- Twisting action leaves a clean edge to prevent chaffing of wires
- Lightweight ergonomic design
- 7” long

83-6509

Releasable Ties

<table>
<thead>
<tr>
<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Mounting Hole</th>
<th>Color</th>
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</thead>
<tbody>
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<td>83-6012</td>
<td>7.60” (193mm)</td>
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<td>1.90” (48mm)</td>
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<tr>
<td>83-6013</td>
<td>83-6013</td>
<td>7.60” (193mm)</td>
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<td>1.90” (48mm)</td>
<td>50 lbs</td>
<td>Black</td>
<td></td>
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<tr>
<td>83-6022</td>
<td>83-6022</td>
<td>14.50” (371mm)</td>
<td>.18” (4.5mm)</td>
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<td>50 lbs</td>
<td>White</td>
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<tr>
<td>83-6023</td>
<td>83-6023</td>
<td>14.50” (371mm)</td>
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<td>4.00” (101mm)</td>
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<tr>
<td>83-6163</td>
<td>83-6163</td>
<td>22.40” (569mm)</td>
<td>.49” (12.5mm)</td>
<td>5.90” (150mm)</td>
<td>250 lbs</td>
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Releasable Dual Clamp Ties

- Made of general purpose (PA66HHR) Polyamide 6.6 high impact nylon material
- UL flame rating 94-HB, good UV resistance
- Unique one piece design with the 1/4” mounting head centered on the strap
- Can reduce the need to carry numerous clamps and other mounting devises
- Is releasable and extremely flexible for tough to reach areas
- Continuous operating temperature -40°C (-40°F) to 110°C (230°F)

FEDERAL ASTM SPECIFICATIONS: D-4686PA0151

<table>
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<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
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<th>Bundle Dia. (each side)</th>
<th>Strength</th>
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<th>Color</th>
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</thead>
<tbody>
<tr>
<td>85-6040</td>
<td>85-6040</td>
<td>13.0” (331mm)</td>
<td>.50” (12.7mm)</td>
<td>1.3” (33.0mm)</td>
<td>150 lbs</td>
<td>.250” (6.35mm)</td>
<td>Black</td>
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<tr>
<td>85-6041</td>
<td>83-6041</td>
<td>19.2” (489mm)</td>
<td>.50” (12.7mm)</td>
<td>2.3” (58.42mm)</td>
<td>150 lbs</td>
<td>.250” (6.35mm)</td>
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</table>

Wide Strap Cable Tie

- Made of general purpose (PA66HHRHS) Polyamide 6.6 high impact, heat-stabilized nylon material
- UL flame rating 94-HB, excellent UV resistance
- Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- The wide strap tie minimizes pinching on soft bundles
- Features a low profile head to provide compact bundling
- Flexible strap with a bent tip for quick insertion into mounts
- Accommodates a large bundle diameter range .375” (9.5mm) – 4.125” (104.7mm)

FEDERAL ASTM SPECIFICATIONS: D-4686PA0161

<table>
<thead>
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<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Mounting Hole</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>85-6042</td>
<td>83-6042</td>
<td>8.1” (211mm)</td>
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<td>2.25” (57mm)</td>
<td>120 lbs</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>85-6043</td>
<td>83-6043</td>
<td>15.1” (384mm)</td>
<td>.5” (12.7mm)</td>
<td>4.12” (104mm)</td>
<td>120 lbs</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

Edge Clip & Cable Tie Assemblies

- Made of general purpose (PA66HHRHS) Polyamide 6.6 high impact, heat stabilized nylon material
- UL flame rating 94V-2 cable tie; 94-HB mount – excellent UV resistance
- Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- The edge clip is designed to route bundles by securing to the edge of plastic or metal rails without the need for a mounting hole
- The clips are easy to secure and are extremely economical
- Comes complete with cable tie and edge clip
- Panel thickness range: .039” (.99mm) – .080” (2mm-3mm)

FEDERAL ASTM SPECIFICATIONS: D-4686PA0161

<table>
<thead>
<tr>
<th>Pack of 25</th>
<th>Pack of 100</th>
<th>Length</th>
<th>Width</th>
<th>Bundle Diameter</th>
<th>Strength</th>
<th>Mounting Style</th>
<th>Color</th>
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</thead>
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<tr>
<td>85-6063</td>
<td>83-6063</td>
<td>7.9” (200mm)</td>
<td>1.80” (45mm)</td>
<td>50 lbs</td>
<td>Top</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>85-6064</td>
<td>83-6064</td>
<td>7.9” (200mm)</td>
<td>1.80” (45mm)</td>
<td>50 lbs</td>
<td>Side</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>
NYLON CABLE TIES • SERRE-FILS EN NYLON • CINTILLO DE NYLON

SUPPORT AND PROTECTIVE PRODUCTS

18 Nylon Cable Ties
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- When used with a cable tie, eliminates the need to carry multiple sizes of clamps
- Provides quick and easy service in the field; replace the cable tie only
- Has an excellent heat ratio and commonly used near an engine block
- Can accommodate up to .5 wide cable ties
- Contains a small tab inside the mounting hole that allows you to pre-install the mount on a stud before securing with a washer and a nut
- Additional sizes available upon request

FEDERAL ASTM SPECIFICATIONS: D-4066PA0121

Heavy Duty Mounts

Push Mount
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- Provides high insertion force and low extraction force
- Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
- Has an excellent heat ratio and commonly used near an engine block
- Can accommodate up to .5 wide cable ties
- Contains a small tab inside the mounting hole that allows you to pre-install the mount on a stud before securing with a washer and a nut
- Additional sizes available upon request

FEDERAL ASTM SPECIFICATIONS: D-4066PA0161

Cable Tie Mounting Bases

MOUNTING BASES & CLAMPS • SOCLES ET BRIDES • BASES Y ABRAZADERAS DE MONTAJE

18 Hose Hanger Clamps
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- Provides quick and easy service in the field; replace the cable tie only
- Has an excellent heat ratio and commonly used near an engine block
- Can accommodate up to .5 wide cable ties
- Contains a small tab inside the mounting hole that allows you to pre-install the mount on a stud before securing with a washer and a nut
- Additional sizes available upon request

FEDERAL ASTM SPECIFICATIONS: D-4066PA0121 • FDA SPECIFICATIONS: CFR177.1500

FIRE TREE MOUNT & CABLE TIE ASSEMBLIES

Fir Tree Mount & Cable Tie Assemblies
• Made of general purpose (PA66HIRHS) Polyamide 6.6 nylon heat-stabilized material
• UL flame rating 94V-2 cable tie; 94-HB mounting • Does not have low insertion force and high extraction force
• Continuous operating temperature -40°C (-40°F) to 105°C (221°F) cable tie; -40°C (-40°F) to 110°C (230°F) mount

FEDERAL ASTM SPECIFICATIONS: D-4066PA0121

Fir Tree Mount and Cable Tie Assembly
• The domed head tie provides a tight rattle-free installation and outside serrated strap
• Panel thickness range: .052
• Fir tree design grips to inside of a hole for materials like sheet metal, wood, and cast iron

Push Mount
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- Provides high insertion force and low extraction force
- Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
- Has an excellent heat ratio and commonly used near an engine block
- Can accommodate up to .5 wide cable ties
- Contains a small tab inside the mounting hole that allows you to pre-install the mount on a stud before securing with a washer and a nut
- Additional sizes available upon request

FEDERAL ASTM SPECIFICATIONS: D-4066PA0161

Cable Tie Mounting Bases

MOUNTING BASES & CLAMPS • SOCLES ET BRIDES • BASES Y ABRAZADERAS DE MONTAJE

18 Hose Hanger Clamps
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- Provides quick and easy service in the field; replace the cable tie only
- Has an excellent heat ratio and commonly used near an engine block
- Can accommodate up to .5 wide cable ties
- Contains a small tab inside the mounting hole that allows you to pre-install the mount on a stud before securing with a washer and a nut
- Additional sizes available upon request

FEDERAL ASTM SPECIFICATIONS: D-4066PA0121 • FDA SPECIFICATIONS: CFR177.1500

FIRE TREE MOUNT & CABLE TIE ASSEMBLIES

Fir Tree Mount & Cable Tie Assemblies
• Made of general purpose (PA66HIRHS) Polyamide 6.6 nylon heat-stabilized material
• UL flame rating 94V-2 cable tie; 94-HB mounting • Does not have low insertion force and high extraction force
• Continuous operating temperature -40°C (-40°F) to 105°C (221°F) cable tie; -40°C (-40°F) to 110°C (230°F) mount

FEDERAL ASTM SPECIFICATIONS: D-4066PA0121

Fir Tree Mount and Cable Tie Assembly
• The domed head tie provides a tight rattle-free installation and outside serrated strap
• Panel thickness range: .052
• Fir tree design grips to inside of a hole for materials like sheet metal, wood, and cast iron

Push Mount
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- Provides high insertion force and low extraction force
- Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
- Has an excellent heat ratio and commonly used near an engine block
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FEDERAL ASTM SPECIFICATIONS: D-4066PA0161

Cable Tie Mounting Bases

MOUNTING BASES & CLAMPS • SOCLES ET BRIDES • BASES Y ABRAZADERAS DE MONTAJE

18 Hose Hanger Clamps
• Made of general purpose (PA66HIRHS) Polyamide 6.6 high impact, heat stabilized nylon material; UL flame rating 94-HB, excellent UV resistance
• Continuous operating temperature -40°C (-40°F) to 110°C (230°F)
- Provides quick and easy service in the field; replace the cable tie only
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FEDERAL ASTM SPECIFICATIONS: D-4066PA0121 • FDA SPECIFICATIONS: CFR177.1500
Non Metallic Loom

- Used to protect wire harnesses, fuel lines, battery cables, control rods, vacuum lines and anywhere extreme heat or harsh chemicals are present
- Made of lightweight, non-metallic flexible conduit
- Constructed with the highest grade PET (Polyethylene Terephthalate) yarn and filled with PET monofilament
- Asphalt coating resists oil and fuel, water and other harsh chemicals
- Provides superior abrasion protection and crush resistance
- Black spiral wrap is U.V. resistant
- Applications: Automotive, Truck, Bus, Trailer, Marine, R.V., DE harness manufacturing
- FED SPEC: LP390 (BLACK AND NATURAL)
- MILITARY SPECS: MIL I-631D, MIL P-21922A (BLACK ONLY)
- CHRYSLER: MS-DB41 CPN 4059
- INDUSTRY SPECS: FORD: WSS-M4D933-A1, ES-XU5T-14A099-AA

Split Flex Convoluted Tubing

- Provides excellent chemical protection. Allows flexible routing of wire, cable, hoses
- Provides wire and cables from extreme heat and abrasion
- Helps reduce noise and protects wires from stones and other harmful debris
- The slit slaps closed after installation to maintain its protective properties
- Applications: Automotive, Truck, Bus, Trailer, Marine, R.V., DE harness manufacturing
- Chromatic Flame Rating
- FMVSS 302 Flame Rating
- LISTED
- FMVSS 302 Flame Rating

Polyethylene Split Loom

- Made of lightweight, black polyethylene material
- Continuous operating temperature -40°F (-40°C) to 149°F (65°C)
- The slit snaps closed after installation to maintain its protective properties
- Slit opening allows for easy installation of wires
- Helps reduce noise and protects wires from stones and other harmful debris
- Protects hoses, wire and cables from extreme heat and abrasion
- Provides excellent chemical protection. Allows flexible routing of wire, cable, hoses
- Ergonomic design
- Saves valuable time

Spiral Wrap – Spooled

- Made of lightweight Polyethylene material
- Black spiral wrap is U.V. resistant
- Provides wire and cables from abrasion and allows flexible routing options
- Continuous operating temperature: -60°C (-76°F) to 88°C (190°F)

Table: Polyethylene Split Loom

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Size</th>
<th>Color</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>87-1000</td>
<td>1/4</td>
<td>Black</td>
<td>100 (30.5m)</td>
</tr>
<tr>
<td>87-1008</td>
<td>5/16</td>
<td>Black</td>
<td>100 (30.5m)</td>
</tr>
<tr>
<td>87-1001</td>
<td>3/8</td>
<td>Black</td>
<td>100 (30.5m)</td>
</tr>
<tr>
<td>87-1002</td>
<td>1/2</td>
<td>Black</td>
<td>100 (30.5m)</td>
</tr>
<tr>
<td>87-1007</td>
<td>3/4</td>
<td>Black</td>
<td>100 (30.5m)</td>
</tr>
</tbody>
</table>

Table: Polyethylene Split Loom

<table>
<thead>
<tr>
<th>Size Range</th>
<th>Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; 7/16&quot;</td>
<td>100' (30.4m)</td>
<td>83-6996</td>
</tr>
<tr>
<td>1/2&quot; 25' (7.6m)</td>
<td>83-6999</td>
<td></td>
</tr>
<tr>
<td>3/4&quot; 7/4&quot;</td>
<td>25' (7.6m)</td>
<td>83-6999</td>
</tr>
<tr>
<td>1/2&quot; 25' (7.6m)</td>
<td>83-6999</td>
<td></td>
</tr>
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</table>

Table: Split Flex Convoluted Tubing

<table>
<thead>
<tr>
<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot; 50' (15.2m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>1&quot; 150' (45.7m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>1 1/2&quot; 250' (75.8m)</td>
<td>83-6993</td>
</tr>
</tbody>
</table>

Table: Polyethylene Split Loom

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<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>83-6993</td>
</tr>
<tr>
<td>1&quot; 250' (75.8m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>1 1/2&quot; 700' (213.4m)</td>
<td>83-6993</td>
</tr>
</tbody>
</table>

Table: Polyethylene Split Loom

<table>
<thead>
<tr>
<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot; 500' (152m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>3/4&quot; 500' (152m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>1&quot; 500' (152m)</td>
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<tbody>
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</tr>
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<td>83-6993</td>
</tr>
<tr>
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</tbody>
</table>

Table: Polyethylene Split Loom

<table>
<thead>
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<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; 250' (75.8m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>3/4&quot; 250' (75.8m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>1&quot; 700' (213.4m)</td>
<td>83-6993</td>
</tr>
</tbody>
</table>

Table: Polyethylene Split Loom

<table>
<thead>
<tr>
<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2&quot; 700' (213.4m)</td>
<td>83-6993</td>
</tr>
<tr>
<td>2&quot; 1000' (304.8m)</td>
<td>83-6993</td>
</tr>
</tbody>
</table>

Table: Polyethylene Split Loom

<table>
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<tr>
<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>83-6993</td>
</tr>
<tr>
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<td>83-6993</td>
</tr>
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<td>83-6993</td>
</tr>
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</table>

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<tr>
<th>Size Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; 250' (75.8m)</td>
<td>83-6993</td>
</tr>
<tr>
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<td>83-6993</td>
</tr>
<tr>
<td>1&quot; 700' (213.4m)</td>
<td>83-6993</td>
</tr>
</tbody>
</table>
**SUPPORT AND PROTECTIVE PRODUCTS**

**Continuous operating temperature -40°C (-40°F) to 85°C (185°F)**

**Chassis Clips**
- Made of heat treated spring steel with black corrosion resistant finish
- Clamps snap in place and securely hold wires, cables and hoses

<table>
<thead>
<tr>
<th>I.D. Size</th>
<th>Dimensions</th>
<th>Pack</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16&quot;</td>
<td>1/2&quot; wide x 1 1/4&quot; long x 3/16&quot; deep</td>
<td>84-7033</td>
<td></td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>1/2&quot; wide x 1 1/2&quot; long x 1/4&quot; deep</td>
<td>84-7034</td>
<td></td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>1/2&quot; wide x 1 1/2&quot; long x 1/2&quot; deep</td>
<td>84-7035</td>
<td></td>
</tr>
</tbody>
</table>

**Nylon Bushings**
- Easy snap in style nylon bushings
- Protects wire and cables from chaffing and vibration
- Lightweight and easy to install, 1/8" thickness

<table>
<thead>
<tr>
<th>I.D. Size</th>
<th>Mounting Hole</th>
<th>Pack</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/32&quot;</td>
<td>3/4&quot;</td>
<td>10</td>
<td>84-8050</td>
</tr>
<tr>
<td>5/32&quot;</td>
<td>3/4&quot;</td>
<td>100</td>
<td>83-8051</td>
</tr>
<tr>
<td>3/32&quot;</td>
<td>1&quot;</td>
<td>10</td>
<td>84-8052</td>
</tr>
</tbody>
</table>

**Rubber Grommets**
- Protect wires from chaffing against drilled holes
- Also available in bulk sizes

<table>
<thead>
<tr>
<th>Inside dia. (A)</th>
<th>Groove Width (B)</th>
<th>Overall Width (C)</th>
<th>Overall Thickness (D)</th>
<th>Groove Diameter (E)</th>
<th>Pack</th>
<th>Size</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; (3.1mm)</td>
<td>1/16&quot; (1.5mm)</td>
<td>11/32&quot; (8.7mm)</td>
<td>3/16&quot; (4.7mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7020</td>
<td></td>
</tr>
<tr>
<td>3/32&quot; (2.4mm)</td>
<td>1/16&quot; (1.5mm)</td>
<td>7/32&quot; (5.5mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>3/32&quot; (0.9mm)</td>
<td>30</td>
<td>84-7015</td>
<td></td>
</tr>
<tr>
<td>5/32&quot; (3.9mm)</td>
<td>1/16&quot; (1.5mm)</td>
<td>7/32&quot; (5.5mm)</td>
<td>7/32&quot; (11.1mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7021</td>
<td></td>
</tr>
<tr>
<td>3/32&quot; (2.4mm)</td>
<td>1/16&quot; (1.5mm)</td>
<td>9/32&quot; (2.9mm)</td>
<td>7/32&quot; (11.1mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7022</td>
<td></td>
</tr>
<tr>
<td>5/32&quot; (3.9mm)</td>
<td>1/16&quot; (1.5mm)</td>
<td>9/32&quot; (2.9mm)</td>
<td>9/32&quot; (2.9mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7023</td>
<td></td>
</tr>
<tr>
<td>7/64&quot; (0.9mm)</td>
<td>1/32&quot; (1.5mm)</td>
<td>7/32&quot; (2.3mm)</td>
<td>9/32&quot; (2.9mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7024</td>
<td></td>
</tr>
<tr>
<td>9/64&quot; (1.4mm)</td>
<td>1/32&quot; (1.5mm)</td>
<td>11/32&quot; (2.8mm)</td>
<td>9/32&quot; (2.9mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7025</td>
<td></td>
</tr>
<tr>
<td>5/64&quot; (0.8mm)</td>
<td>1/32&quot; (1.5mm)</td>
<td>5/32&quot; (1.6mm)</td>
<td>11/32&quot; (2.8mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7026</td>
<td></td>
</tr>
<tr>
<td>3/32&quot; (2.4mm)</td>
<td>1/32&quot; (1.5mm)</td>
<td>7/32&quot; (2.3mm)</td>
<td>11/32&quot; (2.8mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7027</td>
<td></td>
</tr>
<tr>
<td>11/64&quot; (1.7mm)</td>
<td>1/32&quot; (1.5mm)</td>
<td>9/32&quot; (2.9mm)</td>
<td>11/32&quot; (2.8mm)</td>
<td>1/4&quot; (6.4mm)</td>
<td>30</td>
<td>83-7028</td>
<td></td>
</tr>
</tbody>
</table>

**Rubber Grommet Assortment**
- 30 assorted grommets
- 10 each (1/4", 1/8" & 3/8")

**Electrical Tape**
- General purpose vinyl insulating tape
- Excellent resistance to abrasion, moisture and other weather conditions
- 3/4" x 60' black
- Maximum temperature rating -10°C (14°F) to 80°C (176°F)

**General Specifications**
- CSA 22.2
- Made in North America; additional bulk sizes available

**Material Specifications**
- Made of polyamide (PA66) nylon material
- Ideal for securing wire, cable and hydraulic hoses

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- Excellent resistance to abrasion, moisture and other weather conditions
- 3/4" x 60' black
- Maximum temperature rating -10°C (14°F) to 80°C (176°F)

**Brakes**
- IDEAL FOR SECURING WIRE LOOM, CABLES AND HYDRAULIC HOSES
- G-60 GALVANIZED STEEL IS RESISTANT TO ACIDS, OXIDIZING, CHEMICALS AND WEATHERING
- BLACK EPDM EXTRUDED MATERIAL REDUCES VIBRATION AND HAS EXCELLENT HEAT RESISTANCE
- BLACK PVC DIP COATING PROVIDES EXCELLENT RESISTANCE TO ACIDS, SALTS & MOISTURE

**Continuous Operating Temperature**
- -40°C (-40°F) to 20°C (68°F)

**Dimensions**
- Made in North America; additional bulk sizes available

**Packaging**
- Made in North America; additional bulk sizes available

**Product Codes**
- 83-7000
- 83-7001
- 83-7002
- 83-7003
- 83-7004
- 83-7005
- 83-7006
- 83-7007
- 83-7008
- 83-7009
- 83-7010
- 83-7011
- 83-7012
- 83-7013
- 83-7014
- 83-7015
- 83-7016
- 83-7017
- 83-7018
- 83-7019
- 83-7020
- 83-7021
- 83-7022
- 83-7023
- 83-7024
- 83-7025
- 83-7026
- 83-7027
- 83-7028
- 83-7029
HEAT SHRINK TUBING • TUBE THERMORÉTRÉCISSABLE • TUBO TERMO CONTRÁCTIL

**Dual Wall – Adhesive Lined “Hot Melt” Heat Shrink Tubing**

### 4:1 Shrink Ratio

Dual Wall is designed to meet automotive industry requirements for environmental sealing and electrical insulation. It has a dual wall construction. The outer jacket is semi-rigid, radiation cross-linked polyolefin that is flame retardant and provides strain relief and abrasion protection. The inner layer is a unique hot-melt adhesive designed to adhere to all major automotive wire and terminal insulations. The adhesive forms an effective barrier against fluids and moisture; protects harnesses from corrosion and water wicking and covers a wide temperature range. This product is an OEM approved product.

**SPECS / APPROVALS:** UL E85381, 600 V, 125°C

---

**Pолиолифиновые трубки с вулканизационным линером**

**Спецификации / Утверждения:** UL E85381, 600 В, 125° С

---

**Support and Protective Products**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Features</th>
<th>Size</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>83-6535</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>84-5006</td>
<td></td>
<td>1/16&quot; - 3/16&quot; (1/2&quot;²)</td>
<td>12</td>
</tr>
<tr>
<td>84-5006-3</td>
<td></td>
<td>1/16&quot; - 3/16&quot; (1/2&quot;²)</td>
<td>10</td>
</tr>
<tr>
<td>84-5006-48</td>
<td></td>
<td>1/16&quot; - 3/16&quot; (1/2&quot;²)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Minimum shrink temperature:** 110°C (230°F)

**Minimum full recovery temperature:** 135°C (275°F)

**Operating temperature range:** -40°F to 130°F (-40°C to 266°F)

---

**Dual Wall – Adhesive Lined “Hot Melt” Heat Shrink Tubing Kit**

### 4:1 Shrink Ratio

- 40’’ Black Dual Wall Heat Shrink pieces
- 6 compartment re-closable box
- Re-order chart on inside cover

---

**Support and Protective Products**

<table>
<thead>
<tr>
<th>Part No.</th>
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<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>83-6535</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>84-5006</td>
<td></td>
<td>1/16” - 3/16”</td>
<td>12</td>
</tr>
<tr>
<td>84-5007</td>
<td></td>
<td>1/4” - 1/4”</td>
<td>12</td>
</tr>
<tr>
<td>84-5008</td>
<td></td>
<td>1/2” - 5/8”</td>
<td>10</td>
</tr>
<tr>
<td>84-5009</td>
<td></td>
<td>1/2” - 5/8”</td>
<td>6</td>
</tr>
</tbody>
</table>

---

*Custom lengths and additional materials available upon request*
Dual Wall – Flexible, Adhesive Lined Heat Shrink Tubing

3:1 Shrink Ratio

Flexible Dual Wall is an encapsulant-lined heat shrink tubing that provides moisture resistance, strain relief and electrical insulation for splices, terminations, breakouts and mechanical connections. The outer wall is semi-rigid, cross-linked polyolefin, while the inner wall is a meltable polyolefin that flows with the application of heat. This moisture resistant tubing provides flexibility to insulate and protect irregular shape products. It also provides rugged protection from chemicals, abrasion, vibration and flexing.

**Minimum shrink temperature:** 80°C (176°F)

**Minimum full recovery temperature:** 125°C (257°F)

**Operating temperature range:** -40°C to 110°C (-40°F to 230°F)

**SPECS / APPROVALS:** UL E35586, 600 V, 125°C | CSA LR31929, 600 V, 125°C

Dual Wall – Flexible, Adhesive Lined Heat Shrink Tubing Kit

**3:1 Shrink Ratio**

- 50, 6”, Black Flexible Dual Wall Heat Shrink pieces
- 6-compartment re-closable box
- Re-order chart on inside cover

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Features</th>
<th>Size</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>83-6537</td>
<td></td>
<td>1/8”</td>
<td>12</td>
</tr>
<tr>
<td>84-4010</td>
<td></td>
<td>3/16”</td>
<td>12</td>
</tr>
<tr>
<td>84-4017</td>
<td></td>
<td>1/4”</td>
<td>12</td>
</tr>
<tr>
<td>84-4018</td>
<td></td>
<td>3/8”</td>
<td>6</td>
</tr>
<tr>
<td>84-4019</td>
<td></td>
<td>1/2”</td>
<td>6</td>
</tr>
<tr>
<td>84-4020</td>
<td></td>
<td>3/4”</td>
<td>2</td>
</tr>
</tbody>
</table>

Minimum shrink temperature: 80°C (176°F)
Minimum full recovery temperature: 125°C (257°F)
Operating temperature range: -40°C to 110°C (-40°F to 230°F)

*Remains semi-flexible post-heat*

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**Dual Wall – Heat Shrink Tubing**

**3:1 Shrink Ratio**

Dual Wall is an encapsulant-lined heat shrink tubing that provides moisture resistance, strain relief and electrical insulation for splices, terminations, breakouts and mechanical connections. The outer wall is semi-rigid, cross-linked polyolefin, while the inner wall is a meltable polyolefin that flows with the application of heat. This moisture resistant tubing provides rugged protection from chemicals, abrasion, vibration and flexing.

**Minimum shrink temperature:** 125°C (257°F)

**Minimum full recovery temperature:** 135°C (275°F)

**Operating temperature range:** -55°C to 110°C (-67°F to 230°F)
Dual Wall, Heat Shrinkable Tubing Kits

3:1 Shrink Ratio

• 50, 6', Dual Wall Heat Shrink Pieces
• 6-compartment re-closable plastic box
• Re-order chart on inside cover

Part No. | Features | Quantity
--- | --- | ---
83-6502 | Black Tubing | 50
83-6505 | Red and Black Tubing | 50

Heavy Wall – Adhesive Lined Heat Shrink Tubing

3:1 Shrink Ratio

Dual Wall is designed for insulating, protecting and sealing electrical connections and low voltage cables. It provides insulation thickness equal to or greater than standard wire insulation. Heavy wall shrink tubing provides an environmental seal and is highly resistant to impact and abrasion. Longer lengths and sizes available upon request.

SPECS / APPROVALS: UL 15664

<table>
<thead>
<tr>
<th>Inside Diameter</th>
<th>Pre Heat</th>
<th>Post Heat</th>
<th>Length Per Piece</th>
<th>Pack Per Piece</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>.750&quot; (19mm)</td>
<td>.220&quot; (5.6mm)</td>
<td>48&quot;</td>
<td>1</td>
<td>84-4030</td>
<td></td>
</tr>
<tr>
<td>1.100&quot; (28mm)</td>
<td>.375&quot; (9.5mm)</td>
<td>48&quot;</td>
<td>1</td>
<td>84-4031</td>
<td></td>
</tr>
<tr>
<td>1.500&quot; (38mm)</td>
<td>.500&quot; (12mm)</td>
<td>48&quot;</td>
<td>1</td>
<td>84-4032</td>
<td></td>
</tr>
</tbody>
</table>

Single Wall – Heat Shrink Tubing

2:1 Shrink Ratio

Single Wall is cost effective tubing that insulates and protects electrical connections. It also provides a flexible option for wire bundling. It is made of cross-linked polyolefin and provides good protection from abrasion and moisture. Meets UL VW-1 and CSA OIT flame-retardancy.

**SUPPORT AND PROTECTIVE PRODUCTS**

**PRODUITS DE FIXATION ET DE PROTECTION**

**PRODUCTOS DE SOPORTE Y PROTECCIÓN**

**HEAT SHRINK TUBING** • TUBE THERMORÉTRACTISSABLE • TUBO TERMO CONTRÁCTIL

**DUAL WALL, HEAT SHRINKABLE TUBING KITS**

**3:1 SHRINK RATIO**

- Black Tubing
- Red and Black Tubing
- 50, 6', Dual Wall Heat Shrink Pieces
- 6-compartment re-closable plastic box
- Re-order chart on inside cover

**HEAVY WALL – ADHESIVE LINED HEAT SHRINK TUBING**

**3:1 SHRINK RATIO**

- Dual Wall is designed for insulating, protecting and sealing electrical connections and low voltage cables. It provides insulation thickness equal to or greater than standard wire insulation. Heavy wall shrink tubing provides an environmental seal and is highly resistant to impact and abrasion.
- Longer lengths and sizes available upon request.

**SPECS / APPROVALS:** UL 15664

<table>
<thead>
<tr>
<th>Inside Diameter</th>
<th>Pre Heat</th>
<th>Post Heat</th>
<th>Length Per Piece</th>
<th>Pack Per Piece</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>.750&quot; (19mm)</td>
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<td>48&quot;</td>
<td>1</td>
<td>84-4030</td>
<td></td>
</tr>
<tr>
<td>1.100&quot; (28mm)</td>
<td>.375&quot; (9.5mm)</td>
<td>48&quot;</td>
<td>1</td>
<td>84-4031</td>
<td></td>
</tr>
<tr>
<td>1.500&quot; (38mm)</td>
<td>.500&quot; (12mm)</td>
<td>48&quot;</td>
<td>1</td>
<td>84-4032</td>
<td></td>
</tr>
</tbody>
</table>

**SINGLE WALL – HEAT SHRINK TUBING**

**2:1 SHRINK RATIO**

- Single Wall is cost effective tubing that insulates and protects electrical connections. It also provides a flexible option for wire bundling.
- Single Wall is made of cross-linked polyolefin and provides good protection from abrasion and moisture. Meets UL VW-1 and CSA OIT flame-retardancy.
- Single Wall is cost effective tubing that insulates and protects electrical connections. It also provides a flexible option for wire bundling. It is made of cross-linked polyolefin and provides good protection from abrasion and moisture. Meets UL VW-1 and CSA OIT flame-retardancy.

**SPECS / APPROVALS:** CSA C32.2, UL 4860, MILITARY DTL-23953/1, CLASS 2

<table>
<thead>
<tr>
<th>Size</th>
<th>Length Per Piece</th>
<th>Pack</th>
<th>Wire Size</th>
<th>Black Part No.</th>
<th>Red Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>1.5&quot;</td>
<td>10</td>
<td>6-30AWG</td>
<td>84-9561</td>
<td>84-9562</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>1.5&quot;</td>
<td>10</td>
<td>6-20AWG</td>
<td>84-9563</td>
<td>84-9564</td>
</tr>
<tr>
<td>1 1/8&quot;</td>
<td>1.5&quot;</td>
<td>10</td>
<td>2/0-250mcm</td>
<td>84-9565</td>
<td>84-9566</td>
</tr>
</tbody>
</table>

**MILITARY**

**SPECS / APPROVALS:** CSA C32.2, UL 4860, MILITARY DTL-23953/1, CLASS 2

<table>
<thead>
<tr>
<th>Size</th>
<th>Length Per Piece</th>
<th>Pack</th>
<th>Wire Size</th>
<th>Black Part No.</th>
<th>Red Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>1/4&quot; x 6'</td>
<td>3</td>
<td>84-9533</td>
<td>3-8x6&quot;</td>
<td>84-9534</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1/2&quot; x 6'</td>
<td>2</td>
<td>84-9534</td>
<td>3-8x6&quot;</td>
<td>84-9534</td>
</tr>
</tbody>
</table>

Minimum shrink temperature: 70°C (158°F)
Minimum full recovery temperature: 90°C (194°F)
Operating temperature range: -55°C to 135°C (-67°F to 275°F)
HEAT GUNS AND TORCHES • PISTOLETS THERMIQUES ET TORCHES • PISTOLAS DE CALOR Y ANTORCHAS

Butane Powered Micro Torch
• Compact palm size is perfect for tool kits and field service kits
• Produces an adjustable, wind resistant flame with temperatures up to 1300°C/2500°F, perfect for many microtorch applications
• Built in safety lock with improved easy to use self-ignition system
• Meets consumer products safety commission (CPSC) child safety requirements
•Powered by refillable “fuel cell” (included) with flame adjustment lever
• Built in fuel level viewing window
• Use with Master Ultratane butane for best performance
• Pinpoint flame is perfect for soldering, desoldering, heating shrinking and terminating heating lighting and many other applications
• Patent pending

Flameless Heat Gun
• Portable, self igniting, multi function heat tool; 7 1/2” long
• Cordless & flameless; OEM approved
• Comes with an attachable heat deflector, cooling tray and replacement orifice
• The wide nozzle has a high output long life catalyst
• Ready to use in 15 seconds; adjustable heat settings
• Gas container capacity: 20 ml
• Recommended butane: Triple Refined
• Continuous Operating Temperature: 250°C to 500°C (480°F to 930°F)
• Maximum Temperature Rating: 750°C (1400°F)

Heat Gun
• Two heat settings; 120 Volt, 10 AMP
• Lightweight (1 lb)
• 3-wire ground cord set
• UL and cUL listed
• Thermoplastic casing
• Minimum Temperature Rating: 260°C (500°F)
• Maximum Temperature Rating: 538°C (1000°F)

Hands-Free Heat Tool
• Hands-free slide lock for continuous use and instant operation
• Ergonomic handle design ensures a non-slip grip
• Removable base for table-top or hand-held use
• 60 minute continuous run time with full charge
• Gas adjustment wheel provides adjustable, long blue torch flame
• Unique shutter lever to easily extinguish ignition flame
• Instant off safety switch
• 1300°C (2500°F)