

# Sleeving

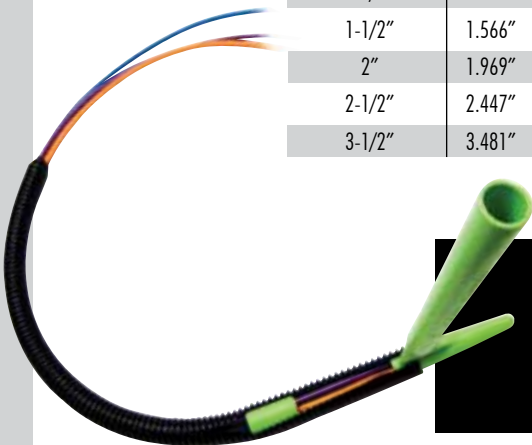
## Split Loom (Flex-Guard) Tubing

- Meets requirements of ASTM D792 density test.
- ISO/TS 16949 & ISO 9001 Compliant.
- RoHS Compliant.
- Continuous Operating Temperature: -40°C (-40°F) to 93°C (200°F).
- Available in flame-retardant polyethylene, nylon & non-split by special order.
- 1/4" to 3-1/2" sizes available by special order.
- Available in 5 colors: black (standard), white, red, yellow & blue.
- Flexibility: Excellent.
- Flame-Retardant: No.
- Material: Polyethylene.
- Use 5024F tool to easily pull wires & cables through split loom - see page 145.



JT&T's Polyethylene Flex-Guard Convolute Tubing (Split Loom) is designed to provide a flexible, crush-resistant protection for wiring assemblies. The tubing is a corrugated tube used to provide protection to a wire harness or any other product that may be subject to abnormal conditions, such as continuous abrasion & vibration wear, puncturing, water, snow, ice, salt & UV rays. Flexible convolute tubing/conduit is manufactured from a blend of low density polyethylene & linear low density polyethylene resins. The convolute surface enhances the appearance of your product by providing a uniform tailored finish. The split seam feature allows wires to be inserted easily, eliminating the costly time needed to apply tape, braid or loom. Since the seam is not permanently sealed, the costs of repair or service are also reduced. Temperature rating from -40°C (-40°F) to 93°C (200°F).

| Ordering Size<br>Nominal I.D. | Inner Diameter |         | Outer Diameter |         | Wall Thickness |         |        |          |        |        |
|-------------------------------|----------------|---------|----------------|---------|----------------|---------|--------|----------|--------|--------|
|                               | Min.           | Max.    | Min.           | Max.    | Min.           | Max.    |        |          |        |        |
| 1/4"                          | 0.256"         | 6.50mm  | 0.276"         | 7.01mm  | 0.373"         | 9.47mm  | 0.398" | 10.11mm  | 0.004" | 0.11mm |
| 3/8"                          | 0.368"         | 9.35mm  | 0.398"         | 10.11mm | 0.495"         | 12.56mm | 0.525" | 13.32mm  | 0.005" | 0.12mm |
| 7/16"                         | 0.399"         | 10.13mm | 0.437"         | 11.10mm | 0.573"         | 14.55mm | 0.597" | 15.16mm  | 0.005" | 0.12mm |
| 1/2"                          | 0.473"         | 12.01mm | 0.516"         | 13.11mm | 0.664"         | 16.87mm | 0.700" | 17.78mm  | 0.005" | 0.12mm |
| 5/8"                          | 0.603"         | 15.32mm | 0.639"         | 16.23mm | 0.805"         | 20.45mm | 0.837" | 21.26mm  | 0.005" | 0.12mm |
| 3/4"                          | 0.747"         | 18.97mm | 0.782"         | 19.86mm | 0.909"         | 23.10mm | 0.939" | 23.86mm  | 0.005" | 0.12mm |
| 7/8"                          | 0.848"         | 21.54mm | 0.898"         | 22.81mm | 1.107"         | 28.12mm | 1.151" | 29.24mm  | 0.005" | 0.13mm |
| 1"                            | 0.897"         | 22.78mm | 0.949"         | 24.10mm | 1.077"         | 27.36mm | 1.109" | 28.17mm  | 0.006" | 0.15mm |
| 1-1/8"                        | 1.122"         | 28.50mm | 1.176"         | 29.86mm | 1.356"         | 34.58mm | 1.413" | 35.88mm  | 0.006" | 0.15mm |
| 1-1/4"                        | 1.199"         | 30.45mm | 1.257"         | 31.93mm | 1.446"         | 36.73mm | 1.500" | 38.10mm  | 0.006" | 0.15mm |
| 1-1/2"                        | 1.566"         | 39.78mm | 1.647"         | 41.83mm | 1.867"         | 47.42mm | 1.947" | 49.45mm  | 0.006" | 0.15mm |
| 2"                            | 1.969"         | 50.01mm | 2.038"         | 51.77mm | 2.285"         | 58.04mm | 2.388" | 60.66mm  | 0.011" | 0.28mm |
| 2-1/2"                        | 2.447"         | 62.15mm | 2.516"         | 63.90mm | 2.771"         | 70.39mm | 2.874" | 73.01mm  | 0.011" | 0.28mm |
| 3-1/2"                        | 3.481"         | 88.41mm | 3.559"         | 90.41mm | 3.819"         | 97.00mm | 3.937" | 100.00mm | 0.011" | 0.28mm |



***Pull wires through split loom quickly and easily... see Feed Master Tool #5024F on page 145***

## Split Loom (Flex-Guard) Tubing

• Use 5024F tool to easily pull wires & cables through split loom - see page 145



### 1/4" I.D. Ordering Size

| Part#   | Color  | Quantity  | Pc |
|---------|--------|-----------|----|
| 4304-3F | Black  | 3 Ft.     | 1  |
| 4304-6F | Black  | 6 Ft.     | 1  |
| 4304F   | Black  | 14 Ft.    | 1  |
| 4304-50 | Black  | 50 Ft.    | 1  |
| 4304C   | Black  | 100 Ft.   | 1  |
| 4304.   | Black  | 3,200 Ft. | 1  |
| 4304-9F | White  | 14 Ft.    | 1  |
| 4304-9C | White  | 100 Ft.   | 1  |
| 4304-9  | White  | 3,200 Ft. | 1  |
| 5304-2F | Red    | 14 Ft.    | 1  |
| 5304-2C | Red    | 100 Ft.   | 1  |
| 5304-2  | Red    | 3,200 Ft. | 1  |
| 5304-4F | Yellow | 14 Ft.    | 1  |
| 5304-4C | Yellow | 100 Ft.   | 1  |
| 5304-4  | Yellow | 3,200 Ft. | 1  |
| 5304-6F | Blue   | 14 Ft.    | 1  |
| 5304-6C | Blue   | 100 Ft.   | 1  |
| 5304-6  | Blue   | 3,200 Ft. | 1  |

### 3/8" I.D. Ordering Size

| Part#   | Color  | Quantity  | Pc |
|---------|--------|-----------|----|
| 4305F   | Black  | 10 Ft.    | 1  |
| 4305-50 | Black  | 50 Ft.    | 1  |
| 4305C   | Black  | 100 Ft.   | 1  |
| 4305.   | Black  | 1,900 Ft. | 1  |
| 4305-9F | White  | 10 Ft.    | 1  |
| 4305-9C | White  | 100 Ft.   | 1  |
| 4305-9  | White  | 1,900 Ft. | 1  |
| 5305-2F | Red    | 10 Ft.    | 1  |
| 5305-2C | Red    | 100 Ft.   | 1  |
| 5305-2  | Red    | 1,900 Ft. | 1  |
| 5305-4F | Yellow | 10 Ft.    | 1  |
| 5305-4C | Yellow | 100 Ft.   | 1  |
| 5305-4  | Yellow | 1,900 Ft. | 1  |
| 5305-6F | Blue   | 10 Ft.    | 1  |
| 5305-6C | Blue   | 100 Ft.   | 1  |
| 5305-6  | Blue   | 1,900 Ft. | 1  |

### 1/2" I.D. Ordering Size

| Part#   | Color  | Quantity  | Pc |
|---------|--------|-----------|----|
| 4306F   | Black  | 7 Ft.     | 1  |
| 4306-50 | Black  | 50 Ft.    | 1  |
| 4306C   | Black  | 100 Ft.   | 1  |
| 4306.   | Black  | 1,100 Ft. | 1  |
| 4306-9F | White  | 7 Ft.     | 1  |
| 4306-9C | White  | 100 Ft.   | 1  |
| 4306-9  | White  | 1,100 Ft. | 1  |
| 5306-2F | Red    | 7 Ft.     | 1  |
| 5306-2C | Red    | 100 Ft.   | 1  |
| 5306-2  | Red    | 1,100 Ft. | 1  |
| 5306-4F | Yellow | 7 Ft.     | 1  |
| 5306-4C | Yellow | 100 Ft.   | 1  |
| 5306-4  | Yellow | 1,100 Ft. | 1  |
| 5306-6F | Blue   | 7 Ft.     | 1  |
| 5306-6C | Blue   | 100 Ft.   | 1  |
| 5306-6  | Blue   | 1,100 Ft. | 1  |

### 5/8" I.D. Ordering Size

| Part#    | Color | Quantity | Pc |
|----------|-------|----------|----|
| 4312F    | Black | 5 Ft.    | 1  |
| 4312-25F | Black | 25 Ft.   | 1  |
| 4312-50  | Black | 50 Ft.   | 1  |
| 4312C    | Black | 100 Ft.  | 1  |
| 4312.    | Black | 800 Ft.  | 1  |

### 3/4" I.D. Ordering Size

| Part#    | Color  | Quantity | Pc |
|----------|--------|----------|----|
| 4307F    | Black  | 5 Ft.    | 1  |
| 4307-10F | Black  | 10 Ft.   | 1  |
| 4307-14F | Black  | 14 Ft.   | 1  |
| 4307-25F | Black  | 25 Ft.   | 1  |
| 4307-50  | Black  | 50 Ft.   | 1  |
| 4307C    | Black  | 100 Ft.  | 1  |
| 4307.    | Black  | 600 Ft.  | 1  |
| 4307-9F  | White  | 5 Ft.    | 1  |
| 4307-9C  | White  | 100 Ft.  | 1  |
| 4307-9   | White  | 550 Ft.  | 1  |
| 5307-2F  | Red    | 5 Ft.    | 1  |
| 5307-2C  | Red    | 100 Ft.  | 1  |
| 5307-2   | Red    | 550 Ft.  | 1  |
| 5307-4F  | Yellow | 5 Ft.    | 1  |
| 5307-4C  | Yellow | 100 Ft.  | 1  |
| 5307-4   | Yellow | 550 Ft.  | 1  |
| 5307-6F  | Blue   | 5 Ft.    | 1  |
| 5307-6C  | Blue   | 100 Ft.  | 1  |
| 5307-6   | Blue   | 550 Ft.  | 1  |

### 1" I.D. Ordering Size

| Part#    | Color | Quantity | Pc |
|----------|-------|----------|----|
| 4308F    | Black | 3 Ft.    | 1  |
| 4308-10F | Black | 10 Ft.   | 1  |
| 4308-14F | Black | 14 Ft.   | 1  |
| 4308-25F | Black | 25 Ft.   | 1  |
| 4308-50  | Black | 50 Ft.   | 1  |
| 4308C    | Black | 100 Ft.  | 1  |
| 4308.    | Black | 350 Ft.  | 1  |
| 4308-9F  | White | 3 Ft.    | 1  |
| 4308-9C  | White | 100 Ft.  | 1  |
| 4308-9   | White | 300 Ft.  | 1  |

### 1-1/4" I.D. Ordering Size

| Part#    | Color | Quantity | Pc |
|----------|-------|----------|----|
| 4309-25F | Black | 25 Ft.   | 1  |
| 4309-50  | Black | 50 Ft.   | 1  |
| 4309C    | Black | 100 Ft.  | 1  |
| 4309.    | Black | 250 Ft.  | 1  |

### 1-1/2" I.D. Ordering Size

| Part#    | Color | Quantity | Pc |
|----------|-------|----------|----|
| 4310F    | Black | 25 Ft.   | 1  |
| 4310-150 | Black | 150 Ft.  | 1  |
| 4310-9F  | White | 25 Ft.   | 1  |
| 4310-9.  | White | 150 Ft.  | 1  |

### 2" I.D. Ordering Size

| Part#   | Color | Quantity | Pc |
|---------|-------|----------|----|
| 4311C   | Black | 100 Ft.  | 1  |
| 4311-9. | White | 100 Ft.  | 1  |



# Sleeving

Now Available  
Split Loom  
Bulk Boxes

## Split Loom (Flex-Guard)

- Bulk Boxes
- 3", 4" & 5" I.D. bulk spools are available by special order.

| Ordering Size<br>Nominal I.D. | Carton<br>Qty. | Black<br>Part # | White<br>Part # | Red<br>Part # | Yellow<br>Part # | Blue<br>Part # |
|-------------------------------|----------------|-----------------|-----------------|---------------|------------------|----------------|
| 1/4"                          | 3,200 Ft.      | 4304.           | 4304-9          | 5304-2        | 5304-4           | 5304-6         |
| 3/8"                          | 1,900 Ft.      | 4305.           | 4305-9          | 5305-2        | 5305-4           | 5305-6         |
| 1/2"                          | 1,100 Ft.      | 4306.           | 4306-9          | 5306-2        | 5306-4           | 5306-6         |
| 5/8"                          | 800 Ft.        | 4312.           | —               | —             | —                | —              |
| 3/4"                          | 550 Ft.        | —               | 4307-9          | 5307-2        | 5307-4           | 5307-6         |
| 3/4"                          | 600 Ft.        | 4307.           | —               | —             | —                | —              |
| 1"                            | 350 Ft.        | 4308.           | 4308-9          | —             | —                | —              |
| 1-1/4"                        | 250 Ft.        | 4309.           | —               | —             | —                | —              |
| 1-1/2"                        | 150 Ft.        | 4310.           | 4310-9.         | —             | —                | —              |
| 2"                            | 100 Ft.        | 4311.           | 4311-9.         | —             | —                | —              |



## Nylon Split Loom (Flex-Guard) Tubing

- Meets requirements of ISO 1183-A density test.
- ISO/TS 16949 & ISO 9001 Compliant.
- RoHS Compliant.
- Continuous Operating Temperature: -40°C (-40°F) to 149°C (300°F).
- Available in non-split by special order.
- 1/4" to 1-1/2" sizes available - some by special order.
- Available in black with gray stripe.
- Flexibility: Good.
- Flame-Retardant: No.
- Material: Nylon.
- Use 5024F tool to easily pull wires & cables through split loom - see page 145.

JT&T's Nylon Flex-Guard Convuluted Tubing (Split Loom) is designed to provide a flexible, crush-resistant protection for wiring assemblies. The tubing is a corrugated tube used to provide protection to a wire harness or any other product that may be subject to abnormal conditions, such as continuous abrasion & vibration wear, puncturing, water, snow, ice, salt & UV rays. The convuluted tubing is manufactured from a nylon 6 co-polymer resin. The convoluted surface enhances the appearance of your product by providing a uniform tailored finish. The split seam feature allows wires to be inserted easily, eliminating the costly time needed to apply tape, braid or loom. Since the seam is not permanently sealed, the costs of repair or service are also reduced. Temperature rating from -40°C (-40°F) to 149°C (300°F).

| Ordering Size<br>Nominal I.D. | Inner Diameter |         | Outer Diameter |         |        |         | Wall Thickness |         |        |        |
|-------------------------------|----------------|---------|----------------|---------|--------|---------|----------------|---------|--------|--------|
|                               | Min.           | Max.    | Min.           | Max.    | Min.   | Max.    | Min.           | Max.    |        |        |
| 1/4"                          | 0.256"         | 6.50mm  | 0.276"         | 7.01mm  | 0.373" | 9.47mm  | 0.398"         | 10.11mm | 0.004" | 0.11mm |
| 3/8"                          | 0.368"         | 9.35mm  | 0.398"         | 10.11mm | 0.495" | 12.56mm | 0.525"         | 13.32mm | 0.005" | 0.12mm |
| 7/16"                         | 0.399"         | 10.13mm | 0.437"         | 11.10mm | 0.573" | 14.55mm | 0.597"         | 15.16mm | 0.005" | 0.12mm |
| 1/2"                          | 0.473"         | 12.01mm | 0.516"         | 13.11mm | 0.664" | 16.87mm | 0.700"         | 17.78mm | 0.005" | 0.12mm |
| 5/8"                          | 0.603"         | 15.32mm | 0.639"         | 16.23mm | 0.805" | 20.45mm | 0.837"         | 21.26mm | 0.005" | 0.12mm |
| 3/4"                          | 0.747"         | 18.97mm | 0.782"         | 19.86mm | 0.909" | 23.10mm | 0.939"         | 23.86mm | 0.005" | 0.12mm |
| 7/8"                          | 0.848"         | 21.54mm | 0.898"         | 22.81mm | 1.107" | 28.12mm | 1.151"         | 29.24mm | 0.005" | 0.13mm |
| 1"                            | 0.897"         | 22.78mm | 0.949"         | 24.10mm | 1.077" | 27.36mm | 1.109"         | 28.17mm | 0.006" | 0.15mm |
| 1-1/8"                        | 1.122"         | 28.50mm | 1.176"         | 29.86mm | 1.356" | 34.58mm | 1.413"         | 35.88mm | 0.006" | 0.15mm |
| 1-1/4"                        | 1.199"         | 30.45mm | 1.257"         | 31.93mm | 1.446" | 36.73mm | 1.500"         | 38.10mm | 0.006" | 0.15mm |
| 1-1/2"                        | 1.566"         | 39.78mm | 1.647"         | 41.83mm | 1.867" | 47.42mm | 1.947"         | 49.45mm | 0.006" | 0.15mm |

## Nylon Split Loom (Flex-Guard)

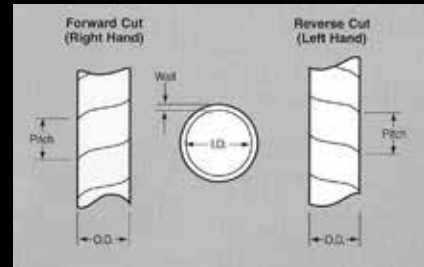
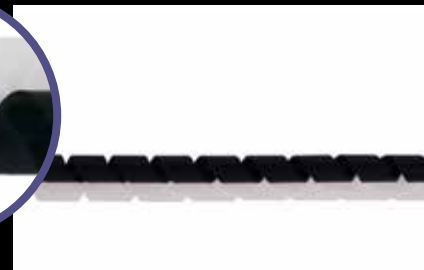
• Bulk Boxes

| Part#  | Ordering Size Nominal I.D. | Color                | Carton Qty. |
|--------|----------------------------|----------------------|-------------|
| 4304N. | 1/4"                       | Black w/ Gray Stripe | 3,200 Ft.   |
| 4305N. | 3/8"                       | Black w/ Gray Stripe | 1,900 Ft.   |
| 4306N. | 1/2"                       | Black w/ Gray Stripe | 1,100 Ft.   |
| 4312N. | 5/8"                       | Black w/ Gray Stripe | 800 Ft.     |
| 4307N. | 3/4"                       | Black w/ Gray Stripe | 600 Ft.     |
| 4308N. | 1"                         | Black w/ Gray Stripe | 400 Ft.     |
| 4309N. | 1-1/4"                     | Black w/ Gray Stripe | 250 Ft.     |
| 4310N. | 1-1/2"                     | Black w/ Gray Stripe | 150 Ft.     |



## Spiral-Cut Tubing (Forward Cut)

- Meets requirements of SAE-AMS-P-21922 (formerly MIL-P-21922) & A-A-59602.
- Meets Federal Specification: L-P-390.
- UL Recognized: Category UZKX2, File E83405(M).
- ISO 9001:2008 Compliant.
- RoHS Compliant.
- Continuous Operating Temperature: -60°C (-76°F) to 88°C (190°F).
- Available in reverse cut by special order.
- 5/8", 1-1/4", 1-1/2" O.D. sizes available by special order.
- Flame-Retardant: No.
- Natural Tubing Material: Polyethylene.
- Black Tubing Material: Polyethylene w/ an ultraviolet absorber.



JT&T Spiral-Cut Polyethylene Tubing is a highly flexible wrap used to hold bundles of wire, cable, tubing & control rods for protection from abrasion & for noise suppression. It has an elastic memory & tends to come back to & hold its original shape. Spiral tubing allows quick, easy bundling of multiple lines of wires, cables or tubing holding firmly but allows flexibility. It wraps on like tape & can be re-used quickly & simply. Openings in the spiral wrap tubing let you see the individual lines of tubing & allow easy removal of a single line making it ideal for custom wiring in areas requiring frequent changing & servicing. Wrap is reusable, nonconductive, highly abrasion resistant, not affected by most chemicals & can be used both indoors and outdoors. Spiral tubing is available in additional sizes, in flame-retardant formulations, nylon material & in additional colors by special order. Both natural & black spiral-cut tubing are forward cut & made from polyethylene; but black tubing features an ultraviolet absorber which permits it to be used outdoors in direct sunlight for long periods of time. Temperature rating from -60°C (-76°F) to 88°C (190°F).

| Ordering Size Nominal I.D. | Outer Diameter |         | Inner Diameter |         | Wall Thickness (+/- .005" or 0.13mm) |        | Pitch (+/- .030" or 0.76mm) |         | Maximum Bundle Range |
|----------------------------|----------------|---------|----------------|---------|--------------------------------------|--------|-----------------------------|---------|----------------------|
| 1/8"                       | 0.125"         | 3.18mm  | 0.061"         | 1.55mm  | 0.030"                               | 0.76mm | 0.187"                      | 4.75mm  | 1/16" to 1/2"        |
| 3/16"                      | 0.187"         | 4.75mm  | 0.127"         | 3.23mm  | 0.030"                               | 0.76mm | 0.250"                      | 6.35mm  | 1/8" to 1-1/2"       |
| 1/4"                       | 0.250"         | 6.35mm  | 0.160"         | 4.06mm  | 0.045"                               | 1.14mm | 0.375"                      | 9.52mm  | 3/16" to 2"          |
| 3/8"                       | 0.375"         | 9.52mm  | 0.271"         | 6.88mm  | 0.052"                               | 1.32mm | 0.438"                      | 11.13mm | 5/16" to 3"          |
| 1/2"                       | 0.500"         | 12.70mm | 0.376"         | 9.55mm  | 0.062"                               | 1.57mm | 0.563"                      | 14.30mm | 3/8" to 4"           |
| 5/8"                       | 0.625"         | 15.88mm | 0.500"         | 12.70mm | 0.062"                               | 1.57mm | 0.625"                      | 15.88mm | 1/2" to 4-1/2"       |
| 3/4"                       | 0.750"         | 19.05mm | 0.620"         | 15.75mm | 0.065"                               | 1.65mm | 0.750"                      | 19.05mm | 3/4" to 5"           |
| 1"                         | 1.000"         | 25.40mm | 0.840"         | 21.34mm | 0.080"                               | 2.03mm | 1.000"                      | 25.40mm | 1" to 7"             |
| 1-1/4"                     | 1.250"         | 31.75mm | 1.070"         | 27.18mm | 0.090"                               | 2.29mm | 1.250"                      | 31.75mm | 1-1/4" to 8"         |
| 1-1/2"                     | 1.500"         | 38.10mm | 1.300"         | 33.02mm | 0.100"                               | 2.54mm | 1.500"                      | 38.10mm | 1-1/2" to 10"        |

# Sleeving

## Spiral-Cut Tubing

• 5/8", 1-1/4", 1-1/2" O.D. sizes available by special order.

| Part#   | Ordering Size Nominal O.D. | Color   | Quantity | Pc |
|---------|----------------------------|---------|----------|----|
| 4200F   | 1/8"                       | Natural | 25 Ft.   | 1  |
| 4200C   | 1/8"                       | Natural | 100 Ft.  | 1  |
| 4200F-0 | 1/8"                       | Black   | 25 Ft.   | 1  |
| 4200C-0 | 1/8"                       | Black   | 100 Ft.  | 1  |
| 4201F   | 3/16"                      | Natural | 25 Ft.   | 1  |
| 4201C   | 3/16"                      | Natural | 100 Ft.  | 1  |
| 4201F-0 | 3/16"                      | Black   | 25 Ft.   | 1  |
| 4201C-0 | 3/16"                      | Black   | 100 Ft.  | 1  |
| 4203F   | 1/4"                       | Natural | 25 Ft.   | 1  |
| 4203C   | 1/4"                       | Natural | 100 Ft.  | 1  |
| 4203F-0 | 1/4"                       | Black   | 25 Ft.   | 1  |
| 4203C-0 | 1/4"                       | Black   | 100 Ft.  | 1  |
| 4204F   | 3/8"                       | Natural | 25 Ft.   | 1  |
| 4204C   | 3/8"                       | Natural | 100 Ft.  | 1  |
| 4204F-0 | 3/8"                       | Black   | 25 Ft.   | 1  |
| 4204C-0 | 3/8"                       | Black   | 100 Ft.  | 1  |
| 4205F   | 1/2"                       | Natural | 25 Ft.   | 1  |
| 4205C   | 1/2"                       | Natural | 100 Ft.  | 1  |
| 4205F-0 | 1/2"                       | Black   | 25 Ft.   | 1  |
| 4205C-0 | 1/2"                       | Black   | 100 Ft.  | 1  |
| 4206F   | 3/4"                       | Natural | 25 Ft.   | 1  |
| 4206C   | 3/4"                       | Natural | 100 Ft.  | 1  |
| 4206F-0 | 3/4"                       | Black   | 25 Ft.   | 1  |
| 4206C-0 | 3/4"                       | Black   | 100 Ft.  | 1  |
| 4207F   | 1"                         | Natural | 25 Ft.   | 1  |
| 4207C   | 1"                         | Natural | 100 Ft.  | 1  |
| 4207F-0 | 1"                         | Black   | 25 Ft.   | 1  |
| 4207C-0 | 1"                         | Black   | 100 Ft.  | 1  |

### Spiral-Cut Tubing Assortments - Natural

| Part# | Ordering Size Nominal O.D.'s | Pcs             |
|-------|------------------------------|-----------------|
| 4250F | 1/8" & 1/4"                  | (2) 11 Ft. Cuts |
| 4251F | 3/8" & 1/2"                  | (2) 11 Ft. Cuts |
| 4252F | 1/8", 1/4", 3/8" & 1/2"      | (4) 5 Ft. Cuts  |

### Spiral-Cut Tubing Assortments - Black

| Part#   | Ordering Size Nominal O.D.'s | Pcs             |
|---------|------------------------------|-----------------|
| 4250F-0 | 1/8" & 1/4"                  | (2) 11 Ft. Cuts |
| 4251F-0 | 3/8" & 1/2"                  | (2) 11 Ft. Cuts |
| 4252F-0 | 1/8", 1/4", 3/8" & 1/2"      | (4) 5 Ft. Cuts  |



## Spiral-Cut Tubing Assortments

### 4250F - Assorted Natural Spiral-Cut Tubing - 22 Ft. • 1/8" & 1/4" O.D.'s

| Part# | Description                     | Cut    | Pc |
|-------|---------------------------------|--------|----|
| 4200  | 1/8" O.D. Natural Spiral Tubing | 11 Ft. | 1  |
| 4203  | 1/4" O.D. Natural Spiral Tubing | 11 Ft. | 1  |

### 4251F - Assorted Natural Spiral-Cut Tubing - 22 Ft. • 3/8" & 1/2" O.D.'s

| Part# | Description                     | Cut    | Pc |
|-------|---------------------------------|--------|----|
| 4204  | 3/8" O.D. Natural Spiral Tubing | 11 Ft. | 1  |
| 4205  | 1/2" O.D. Natural Spiral Tubing | 11 Ft. | 1  |

### 4252F - Assorted Natural Spiral-Cut Tubing - 20 Ft. • 1/8", 1/4", 3/8" & 1/2" O.D.'s

| Part# | Description                     | Cut   | Pc |
|-------|---------------------------------|-------|----|
| 4200  | 1/8" O.D. Natural Spiral Tubing | 5 Ft. | 1  |
| 4203  | 1/4" O.D. Natural Spiral Tubing | 5 Ft. | 1  |
| 4204  | 3/8" O.D. Natural Spiral Tubing | 5 Ft. | 1  |
| 4205  | 1/2" O.D. Natural Spiral Tubing | 5 Ft. | 1  |

### 4250F-0 - Assorted Black Spiral-Cut Tubing - 22 Ft. • 1/8" & 1/4" O.D.'s

| Part#  | Description                   | Cut    | Pc |
|--------|-------------------------------|--------|----|
| 4200-0 | 1/8" O.D. Black Spiral Tubing | 11 Ft. | 1  |
| 4203-0 | 1/4" O.D. Black Spiral Tubing | 11 Ft. | 1  |

### 4251F-0 - Assorted Black Spiral-Cut Tubing - 22 Ft. • 3/8" & 1/2" O.D.'s

| Part#  | Description                   | Cut    | Pc |
|--------|-------------------------------|--------|----|
| 4204-0 | 3/8" O.D. Black Spiral Tubing | 11 Ft. | 1  |
| 4205-0 | 1/2" O.D. Black Spiral Tubing | 11 Ft. | 1  |

### 4252F-0 - Assorted Black Spiral-Cut Tubing - 20 Ft. • 1/8", 1/4", 3/8" & 1/2" O.D.'s

| Part#  | Description                   | Cut   | Pc |
|--------|-------------------------------|-------|----|
| 4200-0 | 1/8" O.D. Black Spiral Tubing | 5 Ft. | 1  |
| 4203-0 | 1/4" O.D. Black Spiral Tubing | 5 Ft. | 1  |
| 4204-0 | 3/8" O.D. Black Spiral Tubing | 5 Ft. | 1  |
| 4205-0 | 1/2" O.D. Black Spiral Tubing | 5 Ft. | 1  |

## Asphalt-Coated Fabric Loom

- Meets requirements of SAE-J562A & HH-T-791 A,B,C.
- Meets Ford, Chrysler, GM & Packard Electric Specifications (see below).
- Continuous Operating Temperature: -40°C (-40°F) to 135°C (275°F).
- Maximum Temperature: 176°C (350°F).
- 1/8", 1-1/4", 1-1/2" O.D. sizes available by special order.
- Flame-Retardant Coating: Yes.
- Material: Asphalt-Coated Fabric Loom.



JT&T Asphalt-Coated Fabric Loom is a flame-retardant, non-metallic flexible conduit woven from the highest grade yarns & fibers. Standard products are a blend of cotton/poly fiber, PET monofilament & an asphaltic resin. Meets MIL-Spec, SAE-Spec, Ford, Chrysler & General Motor Specifications. Military Specs: HH-T-791 A,B,C. SAE Spec: SAE-J562A. Ford Specs: ESB-M3L38-A, ESF-M3L45-A, ESB-M99H96. Chrysler Specs: MS-542, MSJZ9-31. GM Specs: GM-675, 676, 677, 678-M, Packard Electric Spec: PM451. Fabric Loom is available in additional sizes & in additional colors by special order. Woven loom is typically shock absorbent, completely flexible, dimensionally stable & sound absorbent. Woven loom is also resistant to oil, fuels, fire and water. It is temperature insensitive and impervious to hostile environments. Woven loom is often used in wire harnesses, fuel and vacuum lines, battery cables, oil indicators, control rods, EGR tubes and mold ducts. Specifically it has been used to protect truck battery cables during engine installation, prevent damage to starter cables during engine installation, prevent damage to wiring where exposed to sheet metal, protect copper air brake lines from stone damage & protect jumper wires between tractors & trailers. It is coated with a special flame-retardant, black bituminous coating & is ideal for harsh environments. Available in additional sizes, formulations & in additional colors by special order. Temperature rating from -40°C (-40°F) to 135°C (275°F).

| Part # | Ordering Size Nominal I.D. | Inner Diameter (+/- 10%) |         | Outer Diameter (+/- 10%) |         | Wall Thickness |        | Color | Quantity  | Pc |
|--------|----------------------------|--------------------------|---------|--------------------------|---------|----------------|--------|-------|-----------|----|
| 4270F  | 3/16"                      | 0.188"                   | 4.78mm  | 0.288"                   | 7.32mm  | 0.050"         | 1.27mm | Black | 10 Ft.    | 1  |
| 4270   | 3/16"                      | 0.188"                   | 4.78mm  | 0.288"                   | 7.32mm  | 0.050"         | 1.27mm | Black | 50 Ft.    | 1  |
| 4270.  | 3/16"                      | 0.188"                   | 4.78mm  | 0.288"                   | 7.32mm  | 0.050"         | 1.27mm | Black | 500 Ft.   | 1  |
| 4271F  | 1/4"                       | 0.250"                   | 6.35mm  | 0.350"                   | 8.89mm  | 0.050"         | 1.27mm | Black | 10 Ft.    | 1  |
| 4271   | 1/4"                       | 0.250"                   | 6.35mm  | 0.350"                   | 8.89mm  | 0.050"         | 1.27mm | Black | 50 Ft.    | 1  |
| 4271D  | 1/4"                       | 0.250"                   | 6.35mm  | 0.350"                   | 8.89mm  | 0.050"         | 1.27mm | Black | 500 Ft.   | 1  |
| 4271.  | 1/4"                       | 0.250"                   | 6.35mm  | 0.350"                   | 8.89mm  | 0.050"         | 1.27mm | Black | 1,250 Ft. | 1  |
| 4272F  | 3/8"                       | 0.375"                   | 9.52mm  | 0.495"                   | 12.57mm | 0.060"         | 1.52mm | Black | 10 Ft.    | 1  |
| 4272   | 3/8"                       | 0.375"                   | 9.52mm  | 0.495"                   | 12.57mm | 0.060"         | 1.52mm | Black | 50 Ft.    | 1  |
| 4272.  | 3/8"                       | 0.375"                   | 9.52mm  | 0.495"                   | 12.57mm | 0.060"         | 1.52mm | Black | 500 Ft.   | 1  |
| 4273F  | 1/2"                       | 0.500"                   | 12.70mm | 0.640"                   | 16.26mm | 0.070"         | 1.78mm | Black | 10 Ft.    | 1  |
| 4273   | 1/2"                       | 0.500"                   | 12.70mm | 0.640"                   | 16.26mm | 0.070"         | 1.78mm | Black | 50 Ft.    | 1  |
| 4273.  | 1/2"                       | 0.500"                   | 12.70mm | 0.640"                   | 16.26mm | 0.070"         | 1.78mm | Black | 500 Ft.   | 1  |
| 4274F  | 5/8"                       | 0.625"                   | 15.88mm | 0.785"                   | 19.94mm | 0.080"         | 2.03mm | Black | 10 Ft.    | 1  |
| 4274   | 5/8"                       | 0.625"                   | 15.88mm | 0.785"                   | 19.94mm | 0.080"         | 2.03mm | Black | 50 Ft.    | 1  |
| 4274.  | 5/8"                       | 0.625"                   | 15.88mm | 0.785"                   | 19.94mm | 0.080"         | 2.03mm | Black | 500 Ft.   | 1  |
| 4275F  | 3/4"                       | 0.750"                   | 19.05mm | 0.910"                   | 23.11mm | 0.080"         | 2.03mm | Black | 10 Ft.    | 1  |
| 4275   | 3/4"                       | 0.750"                   | 19.05mm | 0.910"                   | 23.11mm | 0.080"         | 2.03mm | Black | 25 Ft.    | 1  |
| 4275.  | 3/4"                       | 0.750"                   | 19.05mm | 0.910"                   | 23.11mm | 0.080"         | 2.03mm | Black | 500 Ft.   | 1  |
| 4276F  | 1"                         | 1.000"                   | 25.40mm | 1.176"                   | 29.87mm | 0.088"         | 2.24mm | Black | 10 Ft.    | 1  |
| 4276   | 1"                         | 1.000"                   | 25.40mm | 1.176"                   | 29.87mm | 0.088"         | 2.24mm | Black | 25 Ft.    | 1  |
| 4276.  | 1"                         | 1.000"                   | 25.40mm | 1.176"                   | 29.87mm | 0.088"         | 2.24mm | Black | 250 Ft.   | 1  |

# Sleeving

## PET Expandable Sleeving - Standard

- To avoid fraying cut with hot knife.
- Comes on spools.
- Meets requirements of FAR 25 & FMVSS 302.
- UL recognized & CSA Certified.
- Continuous Operating Temperature:  
-70°C (-94°F) to 125°C (257°F).
- Melting Temperature: 250°C (482°F).
- 1/8" to 3" sizes available - some by special order.
- Available in 27 different colors by special order - some are UV Reactive.
- Flame-Retardant: No.
- PT Grade & Halogen Free.
- Monofilament Diameter: 0.010" (0.25mm).
- Material: Polyethylene Terephthalate (PET).
- Use 5055F or 5056F hot knife tools to cut & seal sleeving - see page 146



JT&T's Standard PET Expandable Sleeving expands up to 150% & is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. It is used in electronics, automotive, marine & industrial wire harnessing applications where cost efficiency & durability are critical. The unique braided construction & wide expandability allows quick & easy installation over large connectors & long run wire or cable. Abrasion & cut resistant; also resists UV radiation, gasoline & other engine chemicals. Standard PET can be found in applications ranging from office, home to high-tech wire & cable harnesses. The sleeving cuts easily & cleanly with a hot knife & once installed, will beautify & protect any wire, hose or cable application. Available in additional formulations & colors by special order. Temperature rating from -70°C (-94°F) to 125°C (257°F).

| Part #     | Ordering Size<br>Nominal I.D. | Expansion Range |         |        |          | Color | Quantity  | Pc |
|------------|-------------------------------|-----------------|---------|--------|----------|-------|-----------|----|
|            |                               | Min.            |         | Max.   |          |       |           |    |
| 4200-225-0 | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm   | Black | 225 Ft.   | 1  |
| 4131-0     | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm   | Black | 1,000 Ft. | 1  |
| 4201-200-0 | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm  | Black | 200 Ft.   | 1  |
| 4115-0     | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm  | Black | 1,000 Ft. | 1  |
| 4202-125-0 | 3/8"                          | 3/16"           | 4.78mm  | 5/8"   | 15.88mm  | Black | 125 Ft.   | 1  |
| 4132-0     | 3/8"                          | 3/16"           | 4.78mm  | 5/8"   | 15.88mm  | Black | 500 Ft.   | 1  |
| 4203-100-0 | 1/2"                          | 1/4"            | 6.35mm  | 3/4"   | 19.05mm  | Black | 100 Ft.   | 1  |
| 4116-0     | 1/2"                          | 1/4"            | 6.35mm  | 3/4"   | 19.05mm  | Black | 500 Ft.   | 1  |
| 4204-100-0 | 5/8"                          | 3/8"            | 9.52mm  | 1"     | 25.40mm  | Black | 100 Ft.   | 1  |
| 4133-0     | 5/8"                          | 3/8"            | 9.52mm  | 1"     | 25.40mm  | Black | 500 Ft.   | 1  |
| 4205-75-0  | 3/4"                          | 1/2"            | 12.70mm | 1-1/4" | 31.75mm  | Black | 75 Ft.    | 1  |
| 4134-0     | 3/4"                          | 1/2"            | 12.70mm | 1-1/4" | 31.75mm  | Black | 250 Ft.   | 1  |
| 4212-65-0  | 1"                            | 5/8"            | 15.88mm | 1-5/8" | 41.28mm  | Black | 65 Ft.    | 1  |
| 4117-0     | 1"                            | 5/8"            | 15.88mm | 1-5/8" | 41.28mm  | Black | 250 Ft.   | 1  |
| 4206-50-0  | 1-1/4"                        | 3/4"            | 19.05mm | 1-3/4" | 44.45mm  | Black | 50 Ft.    | 1  |
| 4118-0     | 1-1/4"                        | 3/4"            | 19.05mm | 1-3/4" | 44.45mm  | Black | 250 Ft.   | 1  |
| 4207-40-0  | 1-1/2"                        | 1"              | 25.40mm | 2-1/2" | 63.50mm  | Black | 40 Ft.    | 1  |
| 4119-0     | 1-1/2"                        | 1"              | 25.40mm | 2-1/2" | 63.50mm  | Black | 200 Ft.   | 1  |
| 4208-30-0  | 1-3/4"                        | 1-1/4"          | 31.75mm | 2-3/4" | 69.85mm  | Black | 30 Ft.    | 1  |
| 4113-0     | 1-3/4"                        | 1-1/4"          | 31.75mm | 2-3/4" | 69.85mm  | Black | 200 Ft.   | 1  |
| 4209-50-0  | 2"                            | 1-1/2"          | 38.10mm | 3-1/2" | 88.90mm  | Black | 50 Ft.    | 1  |
| 4120-0     | 2"                            | 1-1/2"          | 38.10mm | 3-1/2" | 88.90mm  | Black | 200 Ft.   | 1  |
| 4210-50-0  | 2-1/2"                        | 1-3/4"          | 44.45mm | 4-1/2" | 114.30mm | Black | 50 Ft.    | 1  |
| 4121-0     | 2-1/2"                        | 1-3/4"          | 44.45mm | 4-1/2" | 114.30mm | Black | 200 Ft.   | 1  |
| 4211-50-0  | 3"                            | 2-1/2"          | 63.50mm | 4-3/4" | 120.65mm | Black | 50 Ft.    | 1  |
| 4122-0     | 3"                            | 2-1/2"          | 63.50mm | 4-3/4" | 120.65mm | Black | 100 Ft.   | 1  |

## PET Expandable Sleeving - Clean Cut

- Can use with scissors for easy, fray resistant installation.
- No hot knife required.
- Comes on spools.
- Meets requirements of FAR 25 & FMVSS 302.
- UL Recognized & CSA Certified.
- Continuous Operating Temperature: -70°C (-94°F) to 125°C (257°F).
- Melting Temperature: 250°C (482°F).
- 1/8" to 1-1/2" sizes available - some by special order.
- Available in gray color - by special order.
- Flame-Retardant: No. Flammability Rating: UL94.
- PT Grade & Halogen Free.
- Monofilament Diameter: 0.008" (0.20mm).
- Material: Polyethylene Terephthalate (PET).



JT&T's Clean-Cut PET Expandable Sleeving expands up to 150% & is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. Has increased braid density for fuller coverage. It is used in electronics, automotive, marine & industrial wire harnessing applications & is ideal for situations where access to a hot knife is impossible. The unique braided construction & wide expandability allows quick & easy installation over large connectors & long run wire or cable. Abrasion & cut resistant; also resists UV radiation, gasoline & other engine chemicals. By adjusting the physical characteristics of the PET filaments; Clean-Cut PET has the unique advantage of being able to be cut with scissors & still maintain an extraordinary fray-resistant end. Fray resistant properties allow frequent expansion at the cut end without unraveling. When cut with a hot knife clean-cut PET produces a virtually frayless end. Available in additional formulations & colors by special order. Temperature rating from -70°C (-94°F) to 125°C (257°F).

| Part #     | Ordering Size<br>Nominal I.D. | Expansion Range |         |         |         | Color | Quantity  | Pc |
|------------|-------------------------------|-----------------|---------|---------|---------|-------|-----------|----|
|            |                               | Min.            |         | Max.    |         |       |           |    |
| 4108F      | 1/8"                          | 1/8"            | 3.18mm  | 1/4"    | 0.64mm  | Black | 20 Ft.    | 1  |
| 4230-100-0 | 1/8"                          | 1/8"            | 3.18mm  | 1/4"    | 0.64mm  | Black | 100 Ft.   | 1  |
| 4108-0     | 1/8"                          | 1/8"            | 3.18mm  | 1/4"    | 0.64mm  | Black | 1,000 Ft. | 1  |
| 4230-100-3 | 1/8"                          | 1/8"            | 3.18mm  | 1/4"    | 0.64mm  | Gray  | 100 Ft.   | 1  |
| 4108-3     | 1/8"                          | 1/8"            | 3.18mm  | 1/4"    | 0.64mm  | Gray  | 1,000 Ft. | 1  |
| 4109F      | 1/4"                          | 5/32"           | 3.96mm  | 7/16"   | 11.13mm | Black | 16 Ft.    | 1  |
| 4231-100-0 | 1/4"                          | 5/32"           | 3.96mm  | 7/16"   | 11.13mm | Black | 100 Ft.   | 1  |
| 4109-0     | 1/4"                          | 5/32"           | 3.96mm  | 7/16"   | 11.13mm | Black | 1,000 Ft. | 1  |
| 4231-100-3 | 1/4"                          | 5/32"           | 3.96mm  | 7/16"   | 11.13mm | Gray  | 100 Ft.   | 1  |
| 4109-3     | 1/4"                          | 5/32"           | 3.96mm  | 7/16"   | 11.13mm | Gray  | 1,000 Ft. | 1  |
| 4124F      | 3/8"                          | 3/16"           | 4.78mm  | 5/8"    | 15.88mm | Black | 12 Ft.    | 1  |
| 4232-100-0 | 3/8"                          | 3/16"           | 4.78mm  | 5/8"    | 15.88mm | Black | 100 Ft.   | 1  |
| 4124-0     | 3/8"                          | 3/16"           | 4.78mm  | 5/8"    | 15.88mm | Black | 500 Ft.   | 1  |
| 4232-100-3 | 3/8"                          | 3/16"           | 4.78mm  | 5/8"    | 15.88mm | Gray  | 100 Ft.   | 1  |
| 4124-3     | 3/8"                          | 3/16"           | 4.78mm  | 5/8"    | 15.88mm | Gray  | 500 Ft.   | 1  |
| 4110F      | 1/2"                          | 1/4"            | 6.35mm  | 3/4"    | 19.05mm | Black | 10 Ft.    | 1  |
| 4233-100-0 | 1/2"                          | 1/4"            | 6.35mm  | 3/4"    | 19.05mm | Black | 100 Ft.   | 1  |
| 4110-0     | 1/2"                          | 1/4"            | 6.35mm  | 3/4"    | 19.05mm | Black | 500 Ft.   | 1  |
| 4233-100-3 | 1/2"                          | 1/4"            | 6.35mm  | 3/4"    | 19.05mm | Gray  | 100 Ft.   | 1  |
| 4110-3     | 1/2"                          | 1/4"            | 6.35mm  | 3/4"    | 19.05mm | Gray  | 500 Ft.   | 1  |
| 4111F      | 3/4"                          | 5/8"            | 15.88mm | 1"      | 25.40mm | Black | 8 Ft.     | 1  |
| 4234-75-0  | 3/4"                          | 5/8"            | 15.88mm | 1"      | 25.40mm | Black | 75 Ft.    | 1  |
| 4111C      | 3/4"                          | 5/8"            | 15.88mm | 1"      | 25.40mm | Black | 100 Ft.   | 1  |
| 4111-0     | 3/4"                          | 5/8"            | 15.88mm | 1"      | 25.40mm | Black | 250 Ft.   | 1  |
| 4234-75-3  | 3/4"                          | 5/8"            | 15.88mm | 1"      | 25.40mm | Gray  | 75 Ft.    | 1  |
| 4111-3     | 3/4"                          | 5/8"            | 15.88mm | 1"      | 25.40mm | Gray  | 250 Ft.   | 1  |
| 4125F      | 1"                            | 3/4"            | 19.05mm | 1-3/16" | 30.18mm | Black | 5 Ft.     | 1  |
| 4235-50-0  | 1"                            | 3/4"            | 19.05mm | 1-3/16" | 30.18mm | Black | 50 Ft.    | 1  |
| 4125-0     | 1"                            | 3/4"            | 19.05mm | 1-3/16" | 30.18mm | Black | 250 Ft.   | 1  |
| 4235-50-3  | 1"                            | 3/4"            | 19.05mm | 1-3/16" | 30.18mm | Gray  | 50 Ft.    | 1  |
| 4125-3     | 1"                            | 3/4"            | 19.05mm | 1-3/16" | 30.18mm | Gray  | 250 Ft.   | 1  |
| 4236-50-0  | 1-1/4"                        | 1"              | 25.40mm | 1-1/2"  | 38.10mm | Black | 50 Ft.    | 1  |
| 4112-0     | 1-1/4"                        | 1"              | 25.40mm | 1-1/2"  | 38.10mm | Black | 250 Ft.   | 1  |
| 4236-50-3  | 1-1/4"                        | 1"              | 25.40mm | 1-1/2"  | 38.10mm | Gray  | 50 Ft.    | 1  |
| 4112-3     | 1-1/4"                        | 1"              | 25.40mm | 1-1/2"  | 38.10mm | Gray  | 250 Ft.   | 1  |
| 4237-50-0  | 1-1/2"                        | 1-1/4"          | 31.75mm | 2"      | 50.80mm | Black | 50 Ft.    | 1  |
| 4126-0     | 1-1/2"                        | 1-1/4"          | 31.75mm | 2"      | 50.80mm | Black | 250 Ft.   | 1  |
| 4237-50-3  | 1-1/2"                        | 1-1/4"          | 31.75mm | 2"      | 50.80mm | Gray  | 50 Ft.    | 1  |
| 4126-3     | 1-1/2"                        | 1-1/4"          | 31.75mm | 2"      | 50.80mm | Gray  | 250 Ft.   | 1  |



# Sleeving

## PET Expandable Sleeving - Flame Retardant

- To avoid fraying cut with hot knife.
- Comes on spools.
- UL Recognized & CSA Certified.
- Meets requirements of MIL-STD 202, FAR 25, FMVSS 302 & FR-1.
- UL Recognized & CSA Certified.
- Continuous Operating Temperature: -70°C (-94°F) to 125°C (257°F).
- Melting Temperature: 250°C (482°F).
- 1/8" to 3" sizes available - some by special order.
- Available in 4 colors: black w/ white, white w/ black, gray w/ white & black w/ red tracer - some by special order.
- Flame-Retardant: Yes.
- Flammability Rating: VW-1.
- PT Grade & Halogen Free.
- Monofilament Diameter: 0.010" (0.25mm).  
Material: Polyethylene Terephthalate (PET).
- Use 5055F or 5056F hot knife tools to cut & seal sleeving - see page 146



JT&T's Flame-Retardant PET Expandable Sleeving expands up to 150% & is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. It is the perfect choice for electronic & high tech applications where flame retardance & durability are primary concerns. The unique braided construction & wide expandability allows quick & easy installation over large connectors & long run wire or cable. Abrasion & cut resistant; also resists UV radiation, gasoline & other engine chemicals. The addition of an organic combustion inhibitor to our standard PET expandable sleeving gives flame retardant PET a UL & CSA flame resistance rating of VW-1. Black sleeving comes with a white tracer & white sleeving comes with a black tracer. The sleeving cuts easily & cleanly with a hot knife & once installed, will beautify & protect any wire, hose or cable application. Available in additional formulations & colors by special order. Temperature rating from -70°C (-94°F) to 125°C (257°F).

| Part #     | Ordering Size<br>Nominal I.D. | Expansion Range |         |        |         | Color                 | Quantity  | Pc |
|------------|-------------------------------|-----------------|---------|--------|---------|-----------------------|-----------|----|
|            |                               | Min.            |         | Max.   |         |                       |           |    |
| 4101C      | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm  | Black w/ White Tracer | 100 Ft.   | 1  |
| 4215-225-0 | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm  | Black w/ White Tracer | 225 Ft.   | 1  |
| 4101-0     | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm  | Black w/ White Tracer | 1,000 Ft. | 1  |
| 4215-225-9 | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm  | White w/ Black Tracer | 225 Ft.   | 1  |
| 4101-9     | 1/8"                          | 3/32"           | 2.39mm  | 1/4"   | 0.64mm  | White w/ Black Tracer | 1,000 Ft. | 1  |
| 4102C      | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm | Black w/ White Tracer | 100 Ft.   | 1  |
| 4216-200-0 | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm | Black w/ White Tracer | 200 Ft.   | 1  |
| 4102-0     | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm | Black w/ White Tracer | 1,000 Ft. | 1  |
| 4216-200-9 | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm | White w/ Black Tracer | 200 Ft.   | 1  |
| 4102-9     | 1/4"                          | 1/8"            | 3.18mm  | 7/16"  | 11.13mm | White w/ Black Tracer | 1,000 Ft. | 1  |
| 4217-125-0 | 3/8"                          | 3/16"           | 4.78mm  | 5/8"   | 15.88mm | Black w/ White Tracer | 125 Ft.   | 1  |
| 4127-0     | 3/8"                          | 3/16"           | 4.78mm  | 5/8"   | 15.88mm | Black w/ White Tracer | 500 Ft.   | 1  |
| 4217-125-9 | 3/8"                          | 3/16"           | 4.78mm  | 5/8"   | 15.88mm | White w/ Black Tracer | 125 Ft.   | 1  |
| 4127-9     | 3/8"                          | 3/16"           | 4.78mm  | 5/8"   | 15.88mm | White w/ Black Tracer | 500 Ft.   | 1  |
| 4218-100-0 | 1/2"                          | 1/4"            | 6.35mm  | 3/4"   | 19.05mm | Black w/ White Tracer | 100 Ft.   | 1  |
| 4103-0     | 1/2"                          | 1/4"            | 6.35mm  | 3/4"   | 19.05mm | Black w/ White Tracer | 500 Ft.   | 1  |
| 4218-100-9 | 1/2"                          | 1/4"            | 6.35mm  | 3/4"   | 19.05mm | White w/ Black Tracer | 100 Ft.   | 1  |
| 4103-9     | 1/2"                          | 1/4"            | 6.35mm  | 3/4"   | 19.05mm | White w/ Black Tracer | 500 Ft.   | 1  |
| 4220-75-0  | 3/4"                          | 1/2"            | 12.70mm | 1-1/4" | 31.75mm | Black w/ White Tracer | 75 Ft.    | 1  |
| 4104-0     | 3/4"                          | 1/2"            | 12.70mm | 1-1/4" | 31.75mm | Black w/ White Tracer | 250 Ft.   | 1  |
| 4220-75-9  | 3/4"                          | 1/2"            | 12.70mm | 1-1/4" | 31.75mm | White w/ Black Tracer | 75 Ft.    | 1  |
| 4104-9     | 3/4"                          | 1/2"            | 12.70mm | 1-1/4" | 31.75mm | White w/ Black Tracer | 250 Ft.   | 1  |

Continued on page 108

### PET Expandable Sleeving - Flame Retardant (cont)

| Part #    | Ordering Size<br>Nominal I.D. | Expansion Range |         |        |          | Color                 | Quantity | Pc |
|-----------|-------------------------------|-----------------|---------|--------|----------|-----------------------|----------|----|
|           |                               | Min.            |         | Max.   |          |                       |          |    |
| 4219-65-0 | 1"                            | 5/8"            | 15.88mm | 1-5/8" | 41.28mm  | Black w/ White Tracer | 65 Ft.   | 1  |
| 4100-0    | 1"                            | 5/8"            | 15.88mm | 1-5/8" | 41.28mm  | Black w/ White Tracer | 250 Ft.  | 1  |
| 4219-65-9 | 1"                            | 5/8"            | 15.88mm | 1-5/8" | 41.28mm  | White w/ Black Tracer | 65 Ft.   | 1  |
| 4100-9    | 1"                            | 5/8"            | 15.88mm | 1-5/8" | 41.28mm  | White w/ Black Tracer | 250 Ft.  | 1  |
| 4221-50-0 | 1-1/4"                        | 3/4"            | 19.05mm | 1-3/4" | 44.45mm  | Black w/ White Tracer | 50 Ft.   | 1  |
| 4105-0    | 1-1/4"                        | 3/4"            | 19.05mm | 1-3/4" | 44.45mm  | Black w/ White Tracer | 250 Ft.  | 1  |
| 4221-50-9 | 1-1/4"                        | 3/4"            | 19.05mm | 1-3/4" | 44.45mm  | White w/ Black Tracer | 50 Ft.   | 1  |
| 4105-9    | 1-1/4"                        | 3/4"            | 19.05mm | 1-3/4" | 44.45mm  | White w/ Black Tracer | 250 Ft.  | 1  |
| 4224-40-0 | 1-1/2"                        | 1"              | 25.40mm | 2-1/2" | 63.50mm  | Black w/ White Tracer | 40 Ft.   | 1  |
| 4128-0    | 1-1/2"                        | 1"              | 25.40mm | 2-1/2" | 63.50mm  | Black w/ White Tracer | 200 Ft.  | 1  |
| 4224-40-9 | 1-1/2"                        | 1"              | 25.40mm | 2-1/2" | 63.50mm  | White w/ Black Tracer | 40 Ft.   | 1  |
| 4128-9    | 1-1/2"                        | 1"              | 25.40mm | 2-1/2" | 63.50mm  | White w/ Black Tracer | 200 Ft.  | 1  |
| 4222-30-0 | 1-3/4"                        | 1-1/4"          | 31.75mm | 2-3/4" | 69.85mm  | Black w/ White Tracer | 30 Ft.   | 1  |
| 4106-0    | 1-3/4"                        | 1-1/4"          | 31.75mm | 2-3/4" | 69.85mm  | Black w/ White Tracer | 200 Ft.  | 1  |
| 4222-30-9 | 1-3/4"                        | 1-1/4"          | 31.75mm | 2-3/4" | 69.85mm  | White w/ Black Tracer | 30 Ft.   | 1  |
| 4106-9    | 1-3/4"                        | 1-1/4"          | 31.75mm | 2-3/4" | 69.85mm  | White w/ Black Tracer | 200 Ft.  | 1  |
| 4223-50-0 | 2"                            | 1-1/2"          | 38.10mm | 3-1/2" | 88.90mm  | Black w/ White Tracer | 50 Ft.   | 1  |
| 4107-0    | 2"                            | 1-1/2"          | 38.10mm | 3-1/2" | 88.90mm  | Black w/ White Tracer | 200 Ft.  | 1  |
| 4223-50-9 | 2"                            | 1-1/2"          | 38.10mm | 3-1/2" | 88.90mm  | White w/ Black Tracer | 50 Ft.   | 1  |
| 4107-9    | 2"                            | 1-1/2"          | 38.10mm | 3-1/2" | 88.90mm  | White w/ Black Tracer | 200 Ft.  | 1  |
| 4225-50-0 | 2-1/2"                        | 1-3/4"          | 44.45mm | 4-1/2" | 114.30mm | Black w/ White Tracer | 50 Ft.   | 1  |
| 4129-0    | 2-1/2"                        | 1-3/4"          | 44.45mm | 4-1/2" | 114.30mm | Black w/ White Tracer | 200 Ft.  | 1  |
| 4225-50-9 | 2-1/2"                        | 1-3/4"          | 44.45mm | 4-1/2" | 114.30mm | White w/ Black Tracer | 50 Ft.   | 1  |
| 4129-9    | 2-1/2"                        | 1-3/4"          | 44.45mm | 4-1/2" | 114.30mm | White w/ Black Tracer | 200 Ft.  | 1  |
| 4226-50-0 | 3"                            | 2-1/2"          | 63.50mm | 4-3/4" | 120.65mm | Black w/ White Tracer | 50 Ft.   | 1  |
| 4130-0    | 3"                            | 2-1/2"          | 63.50mm | 4-3/4" | 120.65mm | Black w/ White Tracer | 100 Ft.  | 1  |
| 4226-50-9 | 3"                            | 2-1/2"          | 63.50mm | 4-3/4" | 120.65mm | White w/ Black Tracer | 50 Ft.   | 1  |
| 4130-9    | 3"                            | 2-1/2"          | 63.50mm | 4-3/4" | 120.65mm | White w/ Black Tracer | 100 Ft.  | 1  |



## Hot Knife Solutions

**Simple, effective tools that  
prevent sleeve fraying**

**See our Handheld and Bench Mount  
hot knife knives on page 146.**

# Sleeving

## PET Expandable Sleeving - Semi-Rigid Split Wrap

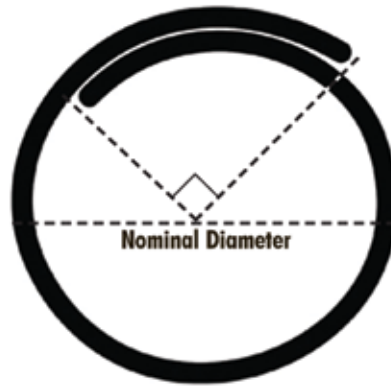
- To avoid fraying cut with hot knife.
- Comes in spools.
- Meets requirements of FAR 25 & FMVSS 302.
- UL Recognized & CSA Certified.
- Continuous Operating Temperature: -70°C (-94°F) to 125°C (257°F).
- Melting Temperature: 250°C (482°F).
- 1/8" to 2" I.D. sizes available - some by special order.
- Available in 4 colors: black, orange, platinum gray & clear/white - some by special order.
- 25% Edge Overlap.
- Flame-Retardant: No.
- PT Grade & Halogen Free.
- Material: Polyethylene Terephthalate (PET).
- Use 5055F or 5056F hot knife tools to cut & seal sleeving - see page 146.



JT&T's Semi-Rigid Wrappable PET Expandable Sleeving is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. Its unique split, semi-rigid braided construction makes it the ideal solution for situations where ease of installation is of primary importance. The lateral split allows the tube to open up to accommodate a wide variety of bundling requirements & the semi-rigid braid configuration simply closes around the entire installation without the need for any additional fasteners. The 25% edge overlap (at nominal diameter) allows coverage around wires, cables, inline plugs, connectors & splices without exposing wire. This sleeving will bend to a tight radius without distorting or splitting open & unlike full rigid tubing, will not impair or affect the flexibility of harnesses. Easy on/off installation - to use just separate along the edge of the sleeving & slip the entire length of the sleeving around component. For best result, it is recommended that component being covered is the sleeve's nominal size or very slightly larger. The unique braided construction & expandability allows quick & easy installation over large connectors & long run wire or cable. Abrasion & cut resistant. Chemically inert & halogen free. The sleeving cuts easily & cleanly with a hot knife & once installed, will beautify & protect any wire, hose or cable application. Available in additional formulations & colors by special order. Temperature rating from -70°C (-94°F) to 125°C (257°F).

| Part #     | Ordering Size<br>Nominal I.D. | Wall Thickness |        | Monofilament<br>Diameter |        | Color         | Quantity | Pc |
|------------|-------------------------------|----------------|--------|--------------------------|--------|---------------|----------|----|
| 4253F      | 1/8"                          | 0.024"         | 0.61mm | 0.008"                   | 0.20mm | Black         | 20 Ft.   | 1  |
| 4253-100-0 | 1/8"                          | 0.024"         | 0.61mm | 0.008"                   | 0.20mm | Black         | 100 Ft.  | 1  |
| 4253-200-0 | 1/8"                          | 0.024"         | 0.61mm | 0.008"                   | 0.20mm | Black         | 400 Ft.  | 1  |
| 4253-100-3 | 1/8"                          | 0.024"         | 0.61mm | 0.008"                   | 0.20mm | Platinum Gray | 100 Ft.  | 1  |
| 4253-200-3 | 1/8"                          | 0.024"         | 0.61mm | 0.008"                   | 0.20mm | Platinum Gray | 400 Ft.  | 1  |
| 4254F      | 1/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 16 Ft.   | 1  |
| 4254-75-0  | 1/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 100 Ft.  | 1  |
| 4254-150-0 | 1/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 200 Ft.  | 1  |
| 4254-75-3  | 1/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 100 Ft.  | 1  |
| 4254-150-3 | 1/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 200 Ft.  | 1  |
| 4255F      | 3/8"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 12 Ft.   | 1  |
| 4255-75-0  | 3/8"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 75 Ft.   | 1  |
| 4255-150-0 | 3/8"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 150 Ft.  | 1  |
| 4255-75-3  | 3/8"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 75 Ft.   | 1  |
| 4255-150-3 | 3/8"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 150 Ft.  | 1  |

Continued on page 110



**PET Expandable Sleeving - Semi-Rigid Split Wrap (cont)**

| Part #     | Ordering Size<br>Nominal I.D. | Wall Thickness |        | Monofilament<br>Diameter |        | Color         | Quantity | Pc |
|------------|-------------------------------|----------------|--------|--------------------------|--------|---------------|----------|----|
| 4256F      | 1/2"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 10 Ft.   | 1  |
| 4256-50-0  | 1/2"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 75 Ft.   | 1  |
| 4256-100-0 | 1/2"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 150 Ft.  | 1  |
| 4256-50-3  | 1/2"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 75 Ft.   | 1  |
| 4256-100-3 | 1/2"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 150 Ft.  | 1  |
| 4257F      | 3/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 8 Ft.    | 1  |
| 4257-50-0  | 3/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 50 Ft.   | 1  |
| 4257-100-0 | 3/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Black         | 100 Ft.  | 1  |
| 4257-50-3  | 3/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 50 Ft.   | 1  |
| 4257-100-3 | 3/4"                          | 0.025"         | 0.64mm | 0.010"                   | 0.25mm | Platinum Gray | 100 Ft.  | 1  |
| 4258F      | 1"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 5 Ft.    | 1  |
| 4258-25-0  | 1"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 50 Ft.   | 1  |
| 4258-75-0  | 1"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 100 Ft.  | 1  |
| 4258-25-3  | 1"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 50 Ft.   | 1  |
| 4258-75-3  | 1"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 100 Ft.  | 1  |
| 4259-25-0  | 1-1/4"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 25 Ft.   | 1  |
| 4259-75-0  | 1-1/4"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 75 Ft.   | 1  |
| 4259-25-3  | 1-1/4"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 25 Ft.   | 1  |
| 4259-75-3  | 1-1/4"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 75 Ft.   | 1  |
| 4260-25-0  | 1-1/2"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 25 Ft.   | 1  |
| 4260-50-0  | 1-1/2"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 75 Ft.   | 1  |
| 4260-25-3  | 1-1/2"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 25 Ft.   | 1  |
| 4260-50-3  | 1-1/2"                        | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 75 Ft.   | 1  |
| 4261-25-0  | 2"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 25 Ft.   | 1  |
| 4261-50-0  | 2"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Black         | 50 Ft.   | 1  |
| 4261-25-3  | 2"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 25 Ft.   | 1  |
| 4261-50-3  | 2"                            | 0.038"         | 0.97mm | 0.015"                   | 0.38mm | Platinum Gray | 50 Ft.   | 1  |

# Sleeving

## PET Expandable Sleeving - Velcro Split Wrap

- To avoid fraying cut with hot knife.
- Comes in spools.
- Meets requirements of FAR 25 & FMVSS 302.
- UL Recognized & CSA Certified.
- Continuous Operating Temperature: -70°C (-94°F) to 125°C (257°F).
- Melting Temperature: 250°C (482°F).
- 1/2" to 2" sizes available - some by special order.
- Available in 4 colors: black, gray, white & beige - some by special order.
- Flame-Retardant: No.
- PT Grade & Halogen Free.
- Monofilament Diameter: 0.010" (0.25mm).
- Material: Polyethylene Terephthalate (PET) w/ Velcro sides.
- Use 5055F or 5056F hot knife tools to cut & seal sleeving - see page 146.



JT&T's Velcro Split Wrap PET Expandable Sleeving is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns & has stitched on internal velcro sides. It is used in electronics, automotive, marine & industrial wire harnessing applications where frequent access is critical. The color matched velcro closure provides for easy on & off installation, as well as instant & convenient access for harness break-outs & rework of any specific section along the entire length of the run. To use just separate the velcro fasteners along the edge of the sleeving & slip the entire length of the sleeving around component then press the velcro together to secure. The unique braided construction & expandability allows quick & easy installation over large connectors & long run wire or cable. Abrasion & cut resistant; also resists UV radiation, gasoline & other engine chemicals. The sleeving cuts easily & cleanly with a hot knife & once installed, will beautify & protect any wire, hose or cable application. Available in additional formulations & colors by special order. Temperature rating from -70°C (-94°F) to 125°C (257°F).

| Part #      | Ordering Size<br>Nominal I.D. | Velcro Width |        |         | Color | Quantity | Pc |
|-------------|-------------------------------|--------------|--------|---------|-------|----------|----|
| 4248-20-0   | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | Black | 20 Ft.   | 1  |
| 4248-100-0  | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | Black | 100 Ft.  | 1  |
| 4248-20-8   | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | Gray  | 20 Ft.   | 1  |
| 4248-100-8  | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | Gray  | 100 Ft.  | 1  |
| 4248-20-9   | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | White | 20 Ft.   | 1  |
| 4248-100-9  | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | White | 100 Ft.  | 1  |
| 4248-20-10  | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | Beige | 20 Ft.   | 1  |
| 4248-100-10 | 1/2"                          | 1/4"         | 0.125" | 6.35mm  | Beige | 100 Ft.  | 1  |
| 4249-15-0   | 3/4"                          | 5/8"         | 0.625" | 15.88mm | Black | 15 Ft.   | 1  |
| 4249-100-0  | 3/4"                          | 5/8"         | 0.625" | 15.88mm | Black | 100 Ft.  | 1  |
| 4249-15-8   | 3/4"                          | 5/8"         | 0.625" | 15.88mm | Gray  | 15 Ft.   | 1  |
| 4249-100-8  | 3/4"                          | 5/8"         | 0.625" | 15.88mm | Gray  | 100 Ft.  | 1  |
| 4249-15-9   | 3/4"                          | 5/8"         | 0.625" | 15.88mm | White | 15 Ft.   | 1  |
| 4249-100-9  | 3/4"                          | 5/8"         | 0.625" | 15.88mm | White | 100 Ft.  | 1  |
| 4249-15-10  | 3/4"                          | 5/8"         | 0.625" | 15.88mm | Beige | 15 Ft.   | 1  |
| 4249-100-10 | 3/4"                          | 5/8"         | 0.625" | 15.88mm | Beige | 100 Ft.  | 1  |

Continued on page 112

**PET Expandable Sleeving - Velcro Split Wrap (cont)**

| Part #      | Ordering Size<br>Nominal I.D. | Velcro Width |        |         | Color | Quantity | Pc |
|-------------|-------------------------------|--------------|--------|---------|-------|----------|----|
| 4250-12-0   | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | Black | 12 Ft.   | 1  |
| 4250-100-0  | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | Black | 100 Ft.  | 1  |
| 4250-12-8   | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | Gray  | 12 Ft.   | 1  |
| 4250-100-8  | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | Gray  | 100 Ft.  | 1  |
| 4250-12-9   | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | White | 12 Ft.   | 1  |
| 4250-100-9  | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | White | 100 Ft.  | 1  |
| 4250-12-10  | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | Beige | 12 Ft.   | 1  |
| 4250-100-10 | 1-1/4"                        | 5/8"         | 0.625" | 15.88mm | Beige | 100 Ft.  | 1  |
| 4251-10-0   | 2"                            | 5/8"         | 0.625" | 15.88mm | Black | 10 Ft.   | 1  |
| 4251-100-0  | 2"                            | 5/8"         | 0.625" | 15.88mm | Black | 100 Ft.  | 1  |
| 4251-10-8   | 2"                            | 5/8"         | 0.625" | 15.88mm | Gray  | 10 Ft.   | 1  |
| 4251-100-8  | 2"                            | 5/8"         | 0.625" | 15.88mm | Gray  | 100 Ft.  | 1  |
| 4251-10-9   | 2"                            | 5/8"         | 0.625" | 15.88mm | White | 10 Ft.   | 1  |
| 4251-100-9  | 2"                            | 5/8"         | 0.625" | 15.88mm | White | 100 Ft.  | 1  |
| 4251-10-10  | 2"                            | 5/8"         | 0.625" | 15.88mm | Beige | 10 Ft.   | 1  |
| 4251-100-10 | 2"                            | 5/8"         | 0.625" | 15.88mm | Beige | 100 Ft.  | 1  |
| 4252-10-0   | 2-1/2"                        | 5/8"         | 0.625" | 15.88mm | Black | 10 Ft.   | 1  |
| 4252-100-0  | 2-1/2"                        | 5/8"         | 0.625" | 15.88mm | Black | 100 Ft.  | 1  |

**PET Expandable Sleeving - Velcro Split Wrap Kits**

- All kits include matching color Velcro strip-ties.
- See page 111 for product description and key points.



| Part #      | Ordering Size<br>Nominal I.D. | Color | Kit Includes                                     | Pcs |
|-------------|-------------------------------|-------|--|-----|
| 514115-0-8  | 1-1/4"                        | Black | (3 Ft.) of Velcro Wrap & (2) Velcro Strip-Ties   | 3   |
| 514115-1-8  | 1-1/4"                        | Beige | (3 Ft.) of Velcro Wrap & (2) Velcro Strip-Ties   | 3   |
| 514115-8-8  | 1-1/4"                        | Gray  | (3 Ft.) of Velcro Wrap & (2) Velcro Strip-Ties   | 3   |
| 514115-0-25 | 1-1/4"                        | Black | (25 Ft.) of Velcro Wrap & (16) Velcro Strip-Ties | 17  |
| 514115-1-25 | 1-1/4"                        | Beige | (25 Ft.) of Velcro Wrap & (16) Velcro Strip-Ties | 17  |
| 514115-8-25 | 1-1/4"                        | Gray  | (25 Ft.) of Velcro Wrap & (16) Velcro Strip-Ties | 17  |

# Sleeving

## PET Expandable Sleeving - Case Mod® Kits

- Available in 9 different colors for cable customization.
- Hot knife is required to cut sleeving - in order to avoid fray.
- Use 5055F or 5056F hot knife tools to cut & seal sleeving - see pgs.146

After the flashing fan lights, the neon glow, the custom water-cooled case and the supercharged components, the final touch for computer case customization is “modding” the cables that connect everything. Our Case Mod customization provides computer enthusiasts with many products to choose from, including UV reactive & chrome colors, to manage and customize the wires, cables and hoses in their supercharged custom cases.

**Working With Braided Expandable Sleeving:** Braided expandable sleeving is the ideal solution for neatly and economically bundling and protecting wire or cable assemblies. The light, flexible sleeving installs easily and expands up to 150% to fit over plugs, inline connectors and splices.

**Measuring:** The sleeving should be measured on the actual wire or cable on which it will be installed. As it expands radially, the length will shorten slightly. Just slip the sleeve over your application, mark the cut line with a pen or a marker, and remove it to cut the ends. Careful measurement will prevent mistakes and minimize wasted material.

**Cutting:** It is highly recommended that the sleeving be cut with a hot knife, rope cutter, soldering iron with a cutting tip, or some other system that will cut and seal the ends to prevent fraying during installation. When the ends are cut and sealed, flare them slightly with your fingers to allow your wires to slip in easily.

**Installing & Terminating:** The easiest way to install the sleeving over long wire runs is to simply “walk” the sleeve down the length of the wire. Just push the slack sleeving onto the end of the wire and slide it down the entire run. When you reach the end of the installation, slide your hands along the entire length to smooth out the sleeving and produce a finished look. To finish the ends, you can use heat shrink tubing in the appropriate size, nylon cable ties, or even electrical tape. If the ends of the sleeving were properly cut and sealed, the installation should last a long time and produce a professional, finished look on virtually any wire, cable or hose application.

### CMK0 (CMK0.00BK) Black - Case Mod® Kit - 19 Pcs.

#### Kit Includes

- |  |                |   |               |
|--|----------------|---|---------------|
| • 4" (18Lb. Tensile Strength) Black Wire Ties        | <b>12 Pcs.</b> | • 1/8" I.D. Black Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Black Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Black Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Black Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Black Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Black Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Black Expandable Braided Sleeving | <b>5 Ft.</b>  |



### CMK1 (CCM0.00SV) Chrome Metallic - Case Mod® Kit - 18 Pcs.

#### Kit Includes

- |  |                |  |               |
|--|----------------|--|---------------|
| • 4" (18Lb. Tensile Strength) Natural Wire Ties      | <b>12 Pcs.</b> | • 1/8" I.D. Chrome Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Chrome Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 3/4" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/2" I.D. Chrome Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      |  |               |



### CMK9 (CMK0.00CB) Carbon - Case Mod® Kit - 19 Pcs.

#### Kit Includes

- |  |                |  |               |
|--|----------------|--|---------------|
| • 4" (18Lb. Tensile Strength) Natural Wire Ties      | <b>12 Pcs.</b> | • 1/8" I.D. Carbon Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Carbon Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Carbon Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Carbon Expandable Braided Sleeving | <b>5 Ft.</b>  |



**CMKN2 (CMK0.00NR) Neon Red - Case Mod® Kit - 19 Pcs.**  
 • UV Reactive Sleeving

**Kit Includes**

- |  |                |  |               |
|--|----------------|--|---------------|
| • 4" (18Lb. Tensile Strength) Neon Red Wire Ties   | <b>12 Pcs.</b> | • 1/8" I.D. Neon Red Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Red Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Neon Red Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Red Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Neon Red Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Red Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Neon Red Expandable Braided Sleeving | <b>5 Ft.</b>  |



**CMKN4 (CMK0.00\_P) Purple - Case Mod® Kit - 19 Pcs.**

**Kit Includes**

- |   |                |  |               |
|---|----------------|--|---------------|
| • 4" (18Lb. Tensile Strength) Purple Wire Ties        | <b>12 Pcs.</b> | • 1/8" I.D. Purple Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Purple Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Purple Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Purple Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Purple Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Purple Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Purple Expandable Braided Sleeving | <b>5 Ft.</b>  |



**CMKN5 (CMK0.00NG) Neon Green - Case Mod® Kit - 19 Pcs.**  
 • UV Reactive Sleeving

**Kit Includes**

- |  |                |  |               |
|--|----------------|--|---------------|
| • 4" (18Lb. Tensile Strength) Neon Green Wire Ties   | <b>12 Pcs.</b> | • 1/8" I.D. Neon Green Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Green Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Neon Green Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Green Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Neon Green Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Green Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Neon Green Expandable Braided Sleeving | <b>5 Ft.</b>  |



**CMKN6 (CMK0.00NB) Neon Blue - Case Mod® Kit - 19 Pcs.**  
 • UV Reactive Sleeving

**Kit Includes**

- |   |                |   |               |
|---|----------------|---|---------------|
| • 4" (18Lb. Tensile Strength) Blue Wire Ties        | <b>12 Pcs.</b> | • 1/8" I.D. Neon Blue Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Blue Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Neon Blue Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Blue Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Neon Blue Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Blue Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Neon Blue Expandable Braided Sleeving | <b>5 Ft.</b>  |



**CMKN7 (CMK0.00NY) Neon Yellow - Case Mod® Kit - 19 Pcs.**  
 • UV Reactive Sleeving

**Kit Includes**

- |   |                |   |               |
|---|----------------|---|---------------|
| • 4" (18Lb. Tensile Strength) Neon Yellow Wire Ties   | <b>12 Pcs.</b> | • 1/8" I.D. Neon Yellow Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Yellow Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Neon Yellow Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Yellow Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Neon Yellow Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Yellow Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Neon Yellow Expandable Braided Sleeving | <b>5 Ft.</b>  |



**CMKN8 (CMK0.00NP) Neon Pink - Case Mod® Kit - 19 Pcs.**  
 • UV Reactive Sleeving

**Kit Includes**

- |  |                |   |               |
|--|----------------|---|---------------|
| • 4" (18Lb. Tensile Strength) Neon Pink Wire Ties    | <b>12 Pcs.</b> | • 1/8" I.D. Neon Pink Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/8" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 1/4" I.D. Neon Pink Expandable Braided Sleeving | <b>10 Ft.</b> |
| • 3/4" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1) | <b>1 Ft.</b>   | • 3/8" I.D. Neon Pink Expandable Braided Sleeving | <b>5 Ft.</b>  |
| • 1" I.D. Clear Heat Shrink (Shrink Ratio: 3 to 1)   | <b>6"</b>      | • 1/2" I.D. Neon Pink Expandable Braided Sleeving | <b>5 Ft.</b>  |





# Sleeving

## Spark Plug Boot Insulating Sleeves

- 3/4" I.D. Double Wall (triple thick at the sewn end) Fiberglass Sleeves.
- Protect Spark Plug Boots & Cables from High Temperatures.

- Installs easily over most standard plug/boot/cable combinations, even molded or right angle boots.
- Can even rest directly on hot exhaust headers with no effect.
- Protects from gasoline, chemicals, abrasion, vibration & engine temperatures up to 648°C (1,200°F).
- The fiberglass sleeve will not burn or support combustion under normal conditions.
- To connect put stitched end of boot toward engine, connect cables to spark plug & push the sleeves against the engine block.
- Wall Thickness: 0.085"
- Inner Diameter: 3/4"
- Halogen Free.
- Available in Black, Blue & Red by special order.

| Part#    | Color   | Quantity | Pcs |
|----------|---------|----------|-----|
| 4200T-4F | Natural | 7-1/2"   | 4   |
| 4200T-6F | Natural | 7-1/2"   | 6   |
| 4200T-8F | Natural | 7-1/2"   | 8   |



## Aluminized Fiberglass Sleeving (Tubing & Wrap)

- The high-temp aluminized surface is bonded to insulating fiberglass sleeve; which reflects heat away from wires, hoses & other components.

- Aluminum laminated fiberglass sleeving creates a heat resistant buffer between high temperature environments & the wires, hoses & cables that run through them.
- Sleeving has been laboratory tested to temperatures up to 648°C (1,200°F) without burning, delaminating or any other degrading effects.
- Resistant against abrasion, gasoline, chemicals & deflects radiant heat.
- Cuts easily with regular scissors.
- Wall Thickness: 0.025" (+/- 0.006")
- Halogen Free.
- The Wrap & Flat products use a very aggressive, high-temp adhesive strip that eliminates the need for high-temp mylar tape or other adhesive.
- To use wrap-style just put the sleeving around any component & seal the sides with adhesive strip to provide protection from hot pipes & engine components.
- Available in four styles: Tube, Convoluted, Wrap & Flat - some by special order.

| Part# | I.D.   | Style | Quantity | Pc |
|-------|--------|-------|----------|----|
| 4217F | 1/2"   | Tube  | 4 Ft.    | 1  |
| 4216F | 3/4"   | Tube  | 4 Ft.    | 1  |
| 4218F | 1"     | Tube  | 4 Ft.    | 1  |
| 4219F | 1-1/4" | Tube  | 4 Ft.    | 1  |
| 4220F | 1-1/2" | Tube  | 4 Ft.    | 1  |

| Part#   | I.D.   | Style | Quantity | Pc |
|---------|--------|-------|----------|----|
| 4217F-W | 1/2"   | Wrap  | 4 Ft.    | 1  |
| 4216F-W | 3/4"   | Wrap  | 4 Ft.    | 1  |
| 4218F-W | 1"     | Wrap  | 4 Ft.    | 1  |
| 4219F-W | 1-1/4" | Wrap  | 4 Ft.    | 1  |
| 4220F-W | 1-1/2" | Wrap  | 4 Ft.    | 1  |



Tube Style



Wrap Style



These  
Products Cut  
Easily with  
Scissors

## High-Temp T6 Aluminized Fiberglass Sleeving (Wrap)

- The high-temp aluminized surface is bonded to insulating fiberglass sleeve; which reflects heat away from wires, hoses & other components.

- Aluminum laminated fiberglass sleeving creates a heat resistant buffer between high temperature environments & the wires, hoses & cables that run through them.
- Sleeving has been laboratory tested to temperatures up to 760°C (1,400°F) without burning, delaminating or any other degrading effects.
- Can reduce the heat transmission from hot pipes or engine components into hoses or harnesses by up to 50% or more.
- Resistant against abrasion, gasoline, chemicals & deflects radiant heat.
- Cuts easily with regular scissors.
- Wall Thickness: 0.042" (+/- 0.007")
- Halogen Free & Non-Flammable.
- T6 wrap uses a very aggressive, high-temp adhesive strip that eliminates the need for high-temp mylar tape or other adhesive.
- To use wrap just put the sleeving around any component & seal the sides with adhesive strip to provide protection from hot pipes & engine component

| Part#     | I.D.   | Style | Quantity | Pc |
|-----------|--------|-------|----------|----|
| 4217F-T6W | 1/2"   | Wrap  | 4 Ft.    | 1  |
| 4216F-T6W | 3/4"   | Wrap  | 4 Ft.    | 1  |
| 4218F-T6W | 1"     | Wrap  | 4 Ft.    | 1  |
| 4219F-T6W | 1-1/4" | Wrap  | 4 Ft.    | 1  |
| 4220F-T6W | 1-1/2" | Wrap  | 4 Ft.    | 1  |



## Black Silicone Coated Fiberglass Sleeving

- Made to withstand heat in sensitive areas up to 260°C (500°F) and short term fire exposure up to 537°C (1,000°F).

- Also called Fire Flex, this sleeving is densely braided from fiberglass yarns & coated with silicone, which makes a fire resistant shield.
- Silicone jacketed fiberglass sleeving is the choice of professionals in racing & other industries where protection from constant high temperatures is mandatory.
- Used on fuel & hydraulic lines, exhaust pipes, coolant hoses to create a strong thermal barrier resistant to heat, gas, solvents, oils, puncture, abrasion & welding sparks.
- This sleeving helps maintain proper fuel temperatures, protect from welding sparks & molten spray.
- Cuts easily with scissors or sharp knife.
- Inner Diameter: 3/4"
- Halogen Free.
- Once the sleeving is measured & cut to proper length, just slip it over the hose or pipe until it covers the area you want to insulate.
- When properly installed, sleeving will not melt, delaminate, burn, become brittle or support combustion under normal circumstances.

| Part# | Color | Quantity | Pc |
|-------|-------|----------|----|
| 4215F | Black | 4 Ft.    | 1  |



# Sleeving

## Black Braided Fiberglass Sleeving

- Hi-Temp Resin Saturated Fiberglass sleeve protects delicate components from temperatures up to 648°C (1,200°F).

- Also called insultherm, this sleeving is densely braided from fiberglass yarns & saturated with high temperature resins.
- Is tough & durable, maintaining its tight structure under extreme vibration, abrasion, mechanical stress & temperature variations.
- Will not melt, burn or support combustion under normal conditions & will remain flexible & intact across a wide range of operating environments.
- The slight expanding of sleeving allows it to easily slip over hoses, wire bundles or other applications with bends or imperfect surfaces.
- Commonly used as a thermal protection for wires, cables & hoses that are subjected to continuous high-temp environments, such as engine manifolds & exhaust systems.
- Cuts easily with scissors or sharp knife.
- Inner Diameter: 3/8"
- Halogen Free.
- Once the sleeving is cut & installed, it can be terminated with any high temperature tape or locking type cable tie. Some applications may not require any terminations.



| Part# | Color | Quantity | Pc |
|-------|-------|----------|----|
| 4221F | Black | 6 Ft.    | 1  |

## V8 Muscle Car/Truck Dress-Up Kits

- To avoid fraying cut sleeving with hot knife.
- Customize your engine compartment & protect your wires, cables & hoses from heat, abrasion & wear.

- Temperature Rating: -70°C (-94°F) to 125°C (257°F)
- Expands to fit wires & hoses up to 2-3/4".
- Sleeving will expand up to 150% and will fit neatly over connectors, plugs, splices & neatly bundle & protect wire, cable & hose assemblies.
- Ends of the sleeving should tuck neatly under the existing terminations; then heat shrink tubing & cable ties help create a finished look for your sleeving installation.

**Cutting:** It is recommended that sleeving be cut with a hot knife, soldering iron with a cutting tip, or some other system that will cut & seal the ends to prevent fraying. When the ends are cut & sealed, flare them slightly with your fingers to allow your wires to slip in easily.

**Installing & Terminating:** The easiest way to install the sleeving over long wire runs is to simply "walk" the sleeve down the length of the wire. Push the slack sleeving onto the end of the wire & slide it down the entire run. When you reach the end of the installation, slide your hands along the entire length to smooth out the sleeving. To finish the ends, you can use heat shrink tubing in the appropriate size, cable ties or even electrical tape. After the ends of sleeving are properly cut & sealed, the installation will last a long time & produce a professional, finished look on virtually any wire or hose application.



| Part#    | Color             | Quantity |
|----------|-------------------|----------|
| 4211F    | Chrome (Metallic) | 1 Kit    |
| 4211-0F  | Black             | 1 Kit    |
| 4211-2F  | Red               | 1 Kit    |
| 4211-6F  | Blue              | 1 Kit    |
| 4211-17F | Carbon            | 1 Kit    |

| Kit Includes                              |        |   |       |
|---|--------|---|-------|
| • 1/4" I.D. Expandable Braided Sleeving   | 20 Ft. | • 1-3/4" I.D. Expandable Braided Sleeving | 3 Ft. |
| • 3/8" I.D. Expandable Braided Sleeving   | 8 Ft.  | • 3/8" I.D. (3 to 1) Heat Shrink Tubing   | 1 Ft. |
| • 1/2" I.D. Expandable Braided Sleeving   | 6 Ft.  | • 3/4" I.D. (3 to 1) Heat Shrink Tubing   | 1 Ft. |
| • 3/4" I.D. Expandable Braided Sleeving   | 10 Ft. | • 1" I.D. (3 to 1) Heat Shrink Tubing     | 1 Ft. |
| • 1-1/4" I.D. Expandable Braided Sleeving | 4 Ft.  |   |       |

## Import Car/Truck Dress-Up Kits

- To avoid fraying cut sleeving with hot knife.
- Customize your engine compartment & protect your wires, cables & hoses from heat, abrasion & wear.

- Temperature Rating: -70°C (-94°F) to 125°C (257°F)
- Expands to fit wires & hoses up to 1-3/4".
- Sleeving will expand up to 150% and will fit neatly over connectors, plugs, splices & neatly bundle & protect wire, cable & hose assemblies.
- Ends of the sleeving should tuck neatly under the existing terminations; then heat shrink tubing & cable ties help create a finished look for your sleeving installation.

**Cutting:** It is recommended that sleeving be cut with a hot knife, soldering iron with a cutting tip, or some other system that will cut & seal the ends to prevent fraying. When the ends are cut & sealed, flare them slightly with your fingers to allow your wires to slip in easily.

**Installing & Terminating:** The easiest way to install the sleeving over long wire runs is to simply "walk" the sleeve down the length of the wire. Push the slack sleeving onto the end of the wire & slide it down the entire run. When you reach the end of the installation, slide your hands along the entire length to smooth out the sleeving. To finish the ends, you can use heat shrink tubing in the appropriate size, cable ties or even electrical tape. After the ends of sleeving are properly cut & sealed, the installation will last a long time & produce a professional, finished look on virtually any wire or hose application.

| Part#    | Color                     | Quantity | Kit Includes                                    |
|----------|---------------------------|----------|---|
| 4212F    | Chrome (Metallic)         | 1 Kit    | • 1/4" I.D. Expandable Braided Sleeving 10 Ft.  |
| 4212-0F  | Black                     | 1 Kit    | • 3/8" I.D. Expandable Braided Sleeving 8 Ft.   |
| 4212-11F | Neon Green (UV Reactive)  | 1 Kit    | • 1/2" I.D. Expandable Braided Sleeving 6 Ft.   |
| 4212-13F | Neon Yellow (UV Reactive) | 1 Kit    | • 3/4" I.D. Expandable Braided Sleeving 10 Ft.  |
| 4212-15F | Neon Blue (UV Reactive)   | 1 Kit    | • 1-1/4" I.D. Expandable Braided Sleeving 4 Ft. |
| 4212-17F | Carbon                    | 1 Kit    | • 3/8" I.D. (3 to 1) Heat Shrink Tubing 1 Ft.   |
|          |                           |          | • 3/4" I.D. (3 to 1) Heat Shrink Tubing 1 Ft.   |
|          |                           |          | • 1" I.D. (3 to 1) Heat Shrink Tubing 1 Ft.     |



## Motorcycle Dress-Up Kits

- Customize your engine & protect wires, cables & hoses from heat, sunlight, abrasion & wear.
- To avoid fraying cut sleeving with hot knife.

- Temperature Rating: -70°C (-94°F) to 125°C (257°F)
- Expands to fit wires & hoses up to 3/4".
- Sleeving will expand up to 150% and will fit neatly over connectors, plugs, splices & neatly bundle & protect wire, cable & hose assemblies.
- Ends of the sleeving should tuck neatly under the existing terminations; then heat shrink tubing & cable ties help create a finished look for your sleeving installation.

**Cutting:** It is recommended that sleeving be cut with a hot knife, soldering iron with a cutting tip, or some other system that will cut & seal the ends to prevent fraying. When the ends are cut & sealed, flare them slightly with your fingers to allow your wires to slip in easily.

**Installing & Terminating:** The easiest way to install the sleeving over long wire runs is to simply "walk" the sleeve down the length of the wire. Push the slack sleeving onto the end of the wire & slide it down the entire run. When you reach the end of the installation, slide your hands along the entire length to smooth out the sleeving. To finish the ends, you can use heat shrink tubing in the appropriate size, cable ties or even electrical tape. After the ends of sleeving are properly cut & sealed, the installation will last a long time & produce a professional, finished look on virtually any wire or hose application.

| Part#    | Color             | Quantity | Kit Includes                                   |
|----------|-------------------|----------|--|
| 4210F    | Chrome (Metallic) | 1 Kit    | • 3/8" I.D. Expandable Braided Sleeving 20 Ft. |
| 4210-0F  | Black             | 1 Kit    | • 1/4" I.D. Expandable Braided Sleeving 8 Ft.  |
| 4210-1F  | Clear             | 1 Kit    | • 1/2" I.D. Expandable Braided Sleeving 6 Ft.  |
| 4210-17F | Carbon            | 1 Kit    | • 3/4" I.D. (3 to 1) Heat Shrink Tubing 1 Ft.  |
| 4210-4F  | Purple            | 1 Kit    | • 3-1/2" Cable Ties w/ Metal Barb 12 Pcs.      |



## Trailer Hitch Harness Protection Kit

- Protect your trailer hitch wires from abrasion, sunlight, vibration & wear.

- Temperature Rating: -70°C (-94°F) to 125°C (257°F)
- Sleeving will expand up to 150% and will fit neatly over connectors, plugs, splices & neatly bundle & protect wire, cable & hose assemblies.
- Protecting your delicate trailer hitch wires from the elements has never been simpler.
- The expandable sleeving slips easily over your 4-way flat trailer connectors & the included heatshrink tubing creates a tight protective seal between the sleeving & the plug.

**Cutting:** It is recommended that sleeving be cut with a hot knife, soldering iron with a cutting tip, or some other system that will cut & seal the ends to prevent fraying. When the ends are cut & sealed, flare them slightly with your fingers to allow your wires to slip in easily.

**Installing\* & Terminating:** The easiest way to install the sleeving over long wire runs is to simply "walk" the sleeve down the length of the wire. Push the slack sleeving onto the end of the wire & slide it down the entire run. When you reach the end of the installation, slide your hands along the entire length to smooth out the sleeving. To finish the ends, you can use heat shrink tubing in the appropriate size, cable ties or even electrical tape. After the ends of sleeving are properly cut & sealed, the installation will last a long time & produce a professional, finished look on virtually any wire or hose application.

\* Note: Temporary removal of hoses & wiring will be required to successfully install this sleeving kit.

| Part# | Color | Quantity | Kit Includes                                  |
|-------|-------|----------|---|
| 4227F | Black | 1 Kit    | • 1/2" I.D. Expandable Braided Sleeving 4 Ft. |
|       |       |          | • 1" I.D. (3 to 1) Heat Shrink Tubing 3"      |



# Sleeving Tools

## TOOLS YOU NEED FOR ANY SLEEVING PROJECT

### Cutting to Prevent Fraying

**What is a Hot Knife?:** A hot knife is a tool with a narrow metal strip that is heated to a temperature sufficiently high to melt the polymer filaments of most types of braided sleeving. This melting not only cuts the sleeving to the desired length, but also fuses the loose ends of the filaments together to prevent fraying of the cut end during installation and use. Hot knives have a blade connected to 2 poles of an encased transformer. When a current passes through the blade, resistance causes it to heat to the desired temperature. A hot knife speeds production by allowing you to cut all of your sleeving in advance, and then install the precut lengths at your leisure without any concerns that the material will fray or unravel.

**Setting up your Hot Knife for the first time:** When you receive your new hot knife, mount the blade to the posts & tighten. When the knife is turned on for the first time, there may be some smoking while the manufacturing oils burn off. Leave the knife on for about 20 minutes & turn off. After it cools, check the tightening screws periodically to ensure good contact with the posts. Hot knives should be used in a well ventilated area to avoid inhalation of the fumes.

#### 5055F Bench Mount Hot Knife - 1 Pc.

- Replacement Knife Blade (Part #5055B).
- Use with expandable sleeving.

##### Product Features

- Heavy-Duty 2-1/2" Blade Included.
- Blade is replaceable.
- Heats up to 600°C (1,112°F) in seconds.
- 110 Volt operation.
- Lighted on/off power switch.
- 5-1/2 Ft. power cord - A/C powered.
- Stand allows, for convenient, hands free operation.
- Use for cutting & sealing the ends of expandable sleeving - prevents fraying.



#### 5056F Handheld Hot Knife - 1 Pc.

- Replacement Knife Blade (Part #5056B).
- Use with expandable sleeving.

##### Product Features

- Heavy-Duty 1-1/2" Blade Included.
- Blade is replaceable.
- Heats up to 450°C (842°F) in seconds.
- 120 Volt operation.
- Comfortable handle with on/off trigger switch.
- 5 Ft. power cord - A/C powered.
- Handheld, lightweight, only 1lb 11oz.
- Use for cutting & sealing the ends of expandable sleeving - prevents fraying.



### Replacement Blades and Tips

| Part# | Description                   | Pc |
|-------|-------------------------------|----|
| 5055B | Bench Mount - Hot Knife Blade | 1  |
| 5056B | Handheld - Hot Knife Blade    | 1  |

Replacement tips for 5052F



| PS-1    | PS-2    | PS-3   | PS-4   | PS-5  | PS-6  | PS-9      | PS-10       | PS-30          |
|---------|---------|--------|--------|-------|-------|-----------|-------------|----------------|
| 1.6mm   | 3.2mm   | 2.4mm  | 3.2mm  | 2.4mm | 3.2mm | Hot Knife | Heat Blower | Heat Reflector |
| Conical | Conical | Chisel | Chisel | Angle | Angle |           |             |                |

5055B Replacement Blade for 5055F



5056B Replacement Blade for 5056F

## 5052F Deluxe Butane Soldering Tool Kit - 11 Pcs.

- Self-Igniting Butane Soldering Torch.
- Maximum Temperature of Torch: 1,315°C (2,400°F).
- Soldering Tip Temperature Range: 250°C (482°F) to 550°C (1,022°F).
- Operating Time (one gas filling): 200 minutes at mid setting.
- The flame is contained within the barrel of the torch so that only heat is emitted at tip.
- Features an adjustable temperature mechanism.
- Visible fuel tank.
- Gas chamber holds 38ml.
- Weight (when gas filled) 166 grams.
- Refillable w/ butane gas. (Use part# 5055F for butane gas).
- Use for shrinking/cutting heat shrink, sleeving, soldering & many more applications.
- Can be used with 5053F Silver Bearing Solder Paste.
- For additional or replacement tips see bottom of page 119.

### Kit Includes Pc

- Solder-It Handheld Torch 1
- Plastic Protective Cover 1
- PS-1, 1.6mm Conical Tip 1
- PS-3, 2.4mm Chisel Tip 1
- PS-9, Hot Knife Tip 1
- PS-10, Heat Blower Tip 1
- PS-30, Heat Reflector Tip 1
- PS-14, Spare Orifice 1
- 60/40 Rosin Core Solder (Dia. 1.0mm) 1
- Sponge 1
- Instructions 1
- Kit is in a re-closable case



## 5053F Silver Bearing Solder Paste - 1 Pc.

- A Silver Bearing Solder-Flux-Paste alloy; which is self cleaning, self-tinning & joining all in one easy operation.
- Flows freely with the heat of a torch, soldering iron, lighter or match - reaches where other solders cannot.
- Can be used on almost any metals including stainless steel - will match color of stainless steel.
- Non-Toxic - no lead, cadmium, antimony or zinc - adheres to all pure food laws.
- Great corrosion resistance - deposits stay bright & do not turn black.
- Simply deposit on piece to be soldered and heat.
- Five times stronger than conventional wire solder.
- 10,000-25,000 PSI tensile strength.
- Melting Temperature: 221°C (430°F).
- Re-Melt Temperature: 343°C (650°F).
- Made in the U.S.A.



### Contents Pc

- 7.1 Gram Syringe 1
- Plastic Protective Cap 1
- Instructions Included 1

### Instructions

Clean joint area (preferably with stainless steel brush). Push syringe plunger to apply paste along base metal joint area. With flame 2" to 3" from surface, evenly heat the work piece. Avoid playing flame on solder paste until flow temperature is reached. Then, with top of flame at joint area, direct the flow of paste along length of joint area. Allow to cool and wash flux residue off using warm soapy water and a stiff brush.

## 5024F Feed Master Wire/Loom Tool - 1 Pc.

- Use with Split Loom (Flex-Guard) Tubing sizes from 3/8" thru 1-1/2".
- Use with wires, cables & hoses up to 4 gauge.
- Unit comes complete with instructions.

### Instructions

1. Place wire(s) through the side opening of the Feed Master tool & pivot so that wire(s) are running through the tool & past the handle.
2. Grip the handle & secure wire(s) with thumb.
3. Lightly grip split loom with opposite hand with the slit facing outwards.
4. Hold the loom in a stationary position & pull the Feed Master tool through loom with the other hand while keeping wire(s) in place with thumb.

