

# WIRE MANAGEMENT

## Cable Ties

- Tools
- Identification Ties
- Plenum, Powr-Tie™, Multi-Purpose
- Miniature, Standard, Heavy Duty
- Mounting Pads
- Screw Mounting Bases
- Cable Clamps

## Supplies

- Grommets
- Bushings
- Spacer Shims
- Anchor Kits
- Quick Snap

## Staples

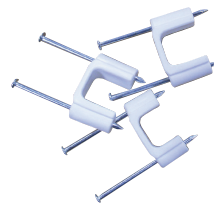
- Plastic Insulated
- Carbon Steel
- Cable Stacker

## Wire Markers

- Booklets
- Cards
- Dispenser

## Switches

- Toggle
- Rocker
- Lever/Pull Chain
- Door



## Cable Tie Numbering System

**IT - 2 - S - MH - C - 0**

| IT                                     | 2                                                   | S                                                                                                                                                                                                               | MH                                                                                                                                                                         | CC                                                                  | O                                                          |
|----------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------|
| <b>IT = IDEAL Powr-Tie™ Cable Ties</b> | <b>Size</b><br>Approximate Bundle Diameter for ties | <b>Tensile Strength</b><br>M = Miniature (18 lbs.)<br>I = Intermediate (40 lbs.)<br>S = Standard (50 lbs.)<br>LH = Light-Heavy Duty (120 lbs.)<br>H = Heavy Duty (175 lbs.)<br>EH = Extra Heavy-Duty (250 lbs.) | <b>Style</b><br>= Standard Tie<br>MH = Mounting<br>ID = Identification<br>MB = Mounting Base<br>LPMB = Low Profile Mounting Base<br>MP = Mounting Pad<br>CCL = Cable Clamp | <b>Qty. Per Package</b><br>L = 50<br>C = 100<br>D = 500<br>M = 1000 | <b>Color</b><br>= Natural<br>0 = UV Black<br>35 = Burgundy |

## Powr-Tie™ Cable Ties

### Quality Construction

- One-piece design for added strength
- Superior locking mechanism
- Exceeds industry tensile strength ratings

### Low Insertion Force

- Tapered thin tip reduces initial friction
- Lowest insertion force with high tensile strength
- Reduces installation fatigue

### No Burrs or Sharp Edges

- Smooth corners provide added safety
- Rounded edges eliminate insulation damage

**Stepped Tail Grip** for easier grabbing and tightening once engaged



### Angled Tail

- Provides quicker initial insertion
- Lowers installation costs

### Material Selection

- **RoHS Compliant**
- **Natural General Purpose 6/6 Nylon**
  - Suitable for most applications
  - Meets UL 94V-2 flammability ratings
  - 85°C/185°F working temperature
- **UV Black Nylon 6/6**
  - Suitable for most applications with continuous or extended exposure to outdoor elements
  - Weather-resistant grade, able to endure ultraviolet (UV) light
  - Meets UL 94V-2 flammability ratings
  - 85°C/185°F working temperature



## Miniature (18 lbs.) Natural & UV Black Cable Ties

| Description    | Length           | Width              | Thickness          | Max. Bundle       | Tensile Strength | Mil-Spec Reference | UL/ CSA Type | Plenum Approval | Qty./ Bag | Part No.  |
|----------------|------------------|--------------------|--------------------|-------------------|------------------|--------------------|--------------|-----------------|-----------|-----------|
| Natural Nylon  | 4.1 in.<br>104mm | .095 in.<br>2.41mm | .042 in.<br>1.06mm | 1/16 - 7/8 in.    | 18 lbs.          | MS3367-4-9         | 21           | AH-2            | 100       | IT1M-C    |
| Natural Nylon  |                  |                    |                    |                   |                  |                    |              |                 | 1000      | IT1M-M    |
| UV Black Nylon |                  |                    |                    |                   |                  | MS3367-4-0         |              |                 | 100       | IT1M-C0   |
| Natural Nylon  | 6.1 in.<br>154mm | .095 in.<br>2.41mm | .042 in.<br>1.06mm | 1/16 - 1-1/2 in.  | 18 lbs.          | —                  |              |                 | 100       | IT1_5M-C  |
| UV Black Nylon |                  |                    |                    |                   |                  |                    |              |                 | 100       | IT1_5M-C0 |
| Natural Nylon  | 8.1 in.<br>207mm | .095 in.<br>2.41mm | .042 in.<br>1.06mm | 1/16 - 2-3/16 in. | 18 lbs.          | —                  |              |                 | 100       | IT2M-C    |
| Natural Nylon  |                  |                    |                    |                   |                  |                    |              |                 | 1000      | IT2M-M    |
| UV Black Nylon |                  |                    |                    |                   |                  |                    |              |                 | 100       | IT2M-C0   |

AH-2 UL Listed for Air Handling Spaces



## Intermediate (40 lbs.) Natural & UV Black Cable Ties

| Description    | Length            | Width              | Thickness          | Max. Bundle       | Tensile Strength | Mil-Spec Reference | UL/CSA Type | Plenum Approval | Qty./ Bag | Part No.  |         |        |
|----------------|-------------------|--------------------|--------------------|-------------------|------------------|--------------------|-------------|-----------------|-----------|-----------|---------|--------|
| Natural Nylon  | 5.8 in.<br>148mm  | .140 in.<br>3.55mm | .049 in.<br>1.24mm | 1/16 - 1-7/16 in. | 40 lbs.          | MS3367-5-9         | 21          | AH-2            | 100       | IT1_5I-C  |         |        |
| Natural Nylon  |                   |                    |                    |                   |                  |                    |             |                 | 1000      | IT1_5I-M  |         |        |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT1_5I-CO |         |        |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 1000      | IT1_5I-MO |         |        |
| Natural Nylon  | 8.8 in.<br>225mm  | .140 in.<br>3.55mm | .049 in.<br>1.24mm | 1/16 - 2-3/8 in.  | 40 lbs.          | MS53367-5-9        |             |                 |           |           | 100     | IT2I-C |
| Natural Nylon  |                   |                    |                    |                   |                  |                    |             |                 | 1000      | IT2I-M    |         |        |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT2I-CO   |         |        |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 1000      | IT2I-MO   |         |        |
| Natural Nylon  | 10.9 in.<br>278mm | .140 in.<br>3.55mm | .049 in.<br>1.24mm | 1/16 - 3-3/8 in.  | 40 lbs.          | —                  |             |                 |           |           | 100     | IT3I-C |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 |           | 100       | IT3I-CO |        |
| Natural Nylon  | 14.2 in.<br>361mm | .140 in.<br>3.55mm | .049 in.<br>1.24mm | 1/16 - 4 in.      | 40 lbs.          | —                  |             |                 |           |           | 100     | IT4I-C |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 |           | 100       | IT4I-CO |        |

AH-2 UL Listed for Air Handling Spaces



## Standard (50 lbs.) Natural & UV Black Cable Ties

| Description    | Length            | Width              | Thickness          | Max. Bundle       | Tensile Strength | Mil-Spec Reference | UL/CSA Type | Plenum Approval | Qty./ Bag | Part No. |  |  |
|----------------|-------------------|--------------------|--------------------|-------------------|------------------|--------------------|-------------|-----------------|-----------|----------|--|--|
| Natural Nylon  | 7.5 in.<br>190mm  | .180 in.<br>4.57mm | .053 in.<br>1.34mm | 1/16 - 1-7/8 in.  | 50 lbs.          | MS3367-1-9         | 21S         | AH-2            | 100       | IT2S-C   |  |  |
| Natural Nylon  |                   |                    |                    |                   |                  | MS3367-1-0         |             |                 | 1000      | IT2S-M   |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT2S-CO  |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  | MS3367-1-0         |             |                 | 1000      | IT2S-MO  |  |  |
| Natural Nylon  | 11.2 in.<br>285mm | .180 in.<br>4.57mm | .053 in.<br>1.34mm | 1/16 - 3-1/16 in. | 50 lbs.          | MS3367-7-9         |             |                 | 100       | IT3S-C   |  |  |
| Natural Nylon  |                   |                    |                    |                   |                  | MS3367-7-0         |             |                 | 500       | IT3S-D   |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT3S-CO  |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  | MS3367-7-0         |             |                 | 500       | IT3S-DO  |  |  |
| Natural Nylon  | 14.2 in.<br>361mm | .180 in.<br>4.57mm | .053 in.<br>1.34mm | 1/16 - 4 in.      | 50 lbs.          | MS3367-2-9         |             |                 | 100       | IT4S-C   |  |  |
| Natural Nylon  |                   |                    |                    |                   |                  | MS3367-2-0         |             |                 | 500       | IT4S-D   |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT4S-CO  |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  | MS3367-2-0         |             |                 | 500       | IT4S-DO  |  |  |
| Natural Nylon  | 17.0 in.<br>434mm | .180 in.<br>4.74mm | .053 in.<br>1.34mm | 1/16 - 4-1/2 in.  | 50 lbs.          | —                  | 21          | AH-1            | 100       | IT5S-C   |  |  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT5S-CO  |  |  |

UL Listed Nylon 6/6 cable ties are suitable for use in Air Handling Spaces (Plenum) in accordance with Section 300-22(C) & (D) of the National Electrical Code and Rules 12-010 (3), (4) & (5) and 12-020 of the Canadian Electrical Code, Part 1.



## Light Heavy-Duty, Heavy-Duty and Extra Heavy-Duty Natural, UV Black Cable Ties

| Description    | Length             | Width              | Thickness          | Max. Bundle        | Tensile Strength | Mil-Spec Reference | UL/CSA Type | Plenum Approval | Qty./ Bag | Part No. |
|----------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|-------------|-----------------|-----------|----------|
| Natural Nylon  | 8.7 in.<br>220.9mm | .300 in.<br>7.62mm | .076 in.<br>1.93mm | 3/16 - 1/16 in.    | 120 lbs.         | —                  | 21S         | AH-2            | 100       | IT2LH-C  |
| UV Black Nylon |                    |                    |                    |                    |                  |                    |             |                 | 100       | IT2LH-CO |
| Natural Nylon  | 15.1 in.<br>383mm  | .300 in.<br>7.62mm | .076 in.<br>1.93mm | 3/16 - 4-1/16 in.  | 120 lbs.         | MS3367-3-9         |             |                 | 50        | IT4LH-L  |
| UV Black Nylon |                    |                    |                    |                    |                  | MS3367-3-0         |             |                 | 50        | IT4LH-LO |
| Natural Nylon  | 18.2 in.<br>465mm  | .300 in.<br>7.67mm | .083 in.<br>2.1mm  | 3/16 - 5 in.       | 120 lbs.         | —                  |             |                 | 50        | IT5LH-L  |
| UV Black Nylon |                    |                    |                    |                    |                  |                    |             |                 | 50        | IT5LH-LO |
| Natural Nylon  | 24.5 in.<br>622mm  | .300 in.<br>7.67mm | .083 in.<br>2.1mm  | 3/16 - 7 in.       | 120 lbs.         | —                  |             |                 | 50        | IT7LH-L  |
| UV Black Nylon |                    |                    |                    |                    |                  |                    |             |                 | 50        | IT7LH-LO |
| Natural Nylon  | 25.5 in.<br>641mm  | .340 in.<br>8.63mm | .090 in.<br>2.29mm | 1-1/2 - 7-3/16 in. | 175 lbs.         | MS3367-10-9        | 21          | AH-2            | 50        | IT7H-L   |
| UV Black Nylon |                    |                    |                    |                    |                  | MS3367-10-0        |             |                 | 50        | IT7H-LO  |
| Natural Nylon  | 37.2 in.<br>946mm  | .340 in.<br>8.63mm | .090 in.<br>2.29mm | 1-1/2 - 11 in.     | 175 lbs.         | MS3367-13-9        |             |                 | 50        | IT11H-L  |
| UV Black Nylon |                    |                    |                    |                    |                  | MS3367-13-0        |             |                 | 50        | IT11H-LO |
| Natural Nylon  | 48.5 in.<br>1231mm | .340 in.<br>8.63mm | .090 in.<br>2.29mm | 1-1/2 - 14-1/2 in. | 175 lbs.         | MS3367-16-9        |             |                 | 50        | IT14H-L  |
| UV Black Nylon |                    |                    |                    |                    |                  | MS3367-16-0        |             |                 | 50        | IT14H-LO |
| UV Black Nylon | 21.73 in.<br>552mm | .49 in.<br>12.5mm  | .077 in.<br>1.96mm | 1/2 - 5-3/4 in.    | 250 lbs.         | —                  |             |                 | 100       | IT6EH-CO |

6EH UL only. AH-2 UL Listed for Air Handling Spaces.



## Plenum Cable Ties

- UL Listed nylon 6/6 cable ties are suitable for use in Air Handling Spaces (Plenum) in accordance with Section 300-22(C) & (D) of the National Electrical Code and Rules 12-010 (3), (4) and (5) and 12-020 of the Canadian Electrical Code, Part 1



### Standard Ties

| Description    | Length            | Width              | Thickness          | Max. Bundle       | Tensile Strength | Mil-Spec Reference | UL/CSA Type | Plenum Approval | Qty./ Bag | Part No. |
|----------------|-------------------|--------------------|--------------------|-------------------|------------------|--------------------|-------------|-----------------|-----------|----------|
| Burgundy Nylon | 7.5 in.<br>190mm  | .180 in.<br>4.57mm | .053 in.<br>1.34mm | 1/16 - 1-7/8 in.  | 50 lbs.          | —                  | 21S         | AH-2            | 100       | IT2S-C35 |
| Natural Nylon  |                   |                    |                    |                   |                  | MS3367-1-9         |             |                 | 100       | IT2S-C   |
| Natural Nylon  |                   |                    |                    |                   |                  |                    |             |                 | 1000      | IT2S-M   |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT2S-C0  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 1000      | IT2S-M0  |
| Burgundy Nylon | 11.2 in.<br>285mm | .180 in.<br>4.57mm | .053 in.<br>1.34mm | 1/16 - 3-1/16 in. | 50 lbs.          | —                  |             |                 | 100       | IT3S-C35 |
| Natural Nylon  |                   |                    |                    |                   |                  | MS3367-7-9         |             |                 | 100       | IT3S-C   |
| Natural Nylon  |                   |                    |                    |                   |                  |                    |             |                 | 500       | IT3S-D   |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT3S-C0  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 500       | IT3S-D0  |
| Natural Nylon  | 14.2 in.<br>361mm | .180 in.<br>4.57mm | .053 in.<br>1.34mm | 1/16 - 4 in.      | 50 lbs.          | MS3367-2-9         |             |                 | 100       | IT4S-C   |
| Natural Nylon  |                   |                    |                    |                   |                  | MS3367-2-0         |             |                 | 500       | IT4S-D   |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 100       | IT4S-C0  |
| UV Black Nylon |                   |                    |                    |                   |                  |                    |             |                 | 500       | IT4S-D0  |

