chanhvinh.com

# Post-Industrial Recycled (PIR) Nylon 6.6 Cable Ties and Mounts

PANDUIT™
SPECIFICATION SHEET

## SPECIFICATIONS

These impact-modified, heat-resistant cable ties and mounts shall be manufactured from up to 100% post-industrial recycled (PIR) Nylon 6.6. They shall offer resistance to ultraviolet (UV) light exposure and are suitable for both indoor and outdoor industrial applications.

These environmentally-friendly cable management products shall support continuous use at temperatures up to 239°F (115°C) and remain functional in cold environments as low as -76°F (-60°C). Due to the hygroscopic nature of PIR Nylon 6.6 material, post-industrial recycled Nylon 6.6 cable ties and mounts shall be moisture-conditioned and sealed in protective packaging to preserve flexibility and maintain consistent installation performance.



## CERTIFICATIONS

| | |
|---|---|
| **Commercial standards and specifications:** | UKCA*; CE* |
| **Statutory and regulatory approvals:** | RoHS; EU REACH<br>UL 62275 Approval; Types 2, 21, 2S, 21S*<br>Resin material certified to SCS** Recycled Content Standard<br>Needle Flame Test per IEC 62275*<br>Bureau Veritas Certification*<br>DNV Product Certification* |
| **Environmental requirements specifications:** | UL 2809 validated for recycled content certification*<br>CONEG/EU Packaging<br>Product can be recycled in the intended markets‡ |

*Pending
**SCS Standards and Assurance Systems is a wholly owned subsidiary of Scientific Certification Systems
‡Reference your local regulatory requirements to ensure compliance with approved recycling methods

## KEY FEATURES AND BENEFITS

| | |
|---|---|
| **Up to 100% Post-industrial Recycled (PIR) Nylon 6.6:** | Provides up to 36% carbon footprint (CFP) reduction credit towards corporate sustainability goals by using recyclable‡ plastic cable ties and mounts manufactured with recycled Nylon material |
| **Black UV resistant properties:** | Allow ties to withstand exposure to sunlight, contributing to weathering life expectancy of 10 years† |
| **Impact modified and heat stabilized:** | Provide the strength and reliability required for long-lasting industrial performance |
| **One-piece design with locking wedge:** | Provides low thread force for easy and reliable installation; improves productivity and reduces operator fatigue |
| **Curved, tapered tip:** | Threads easily into the head of the cable tie; installs quickly for improved productivity (select cross sections) |

†This is an estimated life expectancy and not a guarantee of life in an application
‡Reference your local regulatory requirements to ensure compliance with approved recycling methods

| | |
|---|---|
| ***PIR Miniature Cross Section*** | |
| **Black PIR Nylon 6.6:** | **PLT1M-C360**<br>**PLT1M-M360** |
| ***PIR Intermediate Cross Section*** | |
| **Black PIR Nylon 6.6:** | **PLT1.5I-C360**<br>**PLT1.5I-M360** |
| ***PIR Standard Cross Section*** | |
| **Black PIR Nylon 6.6:** | **PLT2S-C360**<br>**PLT2S-M360**<br>**PLT3S-C360**<br>**PLT3S-M360**<br>**PLT4S-C360**<br>**PLT4S-M360** |
| ***PIR Light-Heavy Cross Section*** | |
| **Black PIR Nylon 6.6:** | **PLT4H-TL360**<br>**PLT4H-TL360/147**<br>**PLT7LH-C360**<br>**PLB4H-TL360** |
| **PIR Extra-Heavy Cross Section** | |
| **Black PIR Nylon 6.6:** | **PLT5EH-C360**<br>**PRT5EH-C360**<br>**PLDC2.5EH-C360**<br>**PLWS4EH-TL360** |
| ***PIR Cable Tie Push Mount Assembly (Standard Cable Tie)*** | |
| **Black PIR Nylon 6.6** | **PUM-049-2S-D360** |
| **PIR Push-in Cradle Mount with Cable Tie** | |
| **Black PIR Nylon 6.6:** | **TCM1X63-2S-D360** |
| ***Recommended Installation Tools*** | |
| **Hand tools: Tool controlled tension and cut-off:** | **GTS-E, GTH-E, GS2B-E, GS4H-E, GS4EH-E** |
| **Hand tools: Installer controlled tension and cut-off:** | **STS2, STH2, ST3EH** |
| **Pneumatic tools:** | **PTS, PPTS, PTH** |

chanhvinh.com

# Post-Industrial Recycled (PIR) Nylon 6.6 Cable Ties and Mounts

## TECHNICAL INFORMATION

| | |
|---|---|
| **Tensile @ yield @ 73°F (psi):** | 8,412 per ISO 527 |
| **Water absorption (24 hours):** | 1.2% per ASTM D570 |
| **Weathering life expectancy† (years)/ UV resistance:** | 10 |
| **Max. continuous use temperature:** | 239°F (115°C) per UL 746B |
| **Min. continuous use temperature:** | -76°F (-60°C) per UL 746B |
| **Min. installation temperature:** | -4°F (-20°C) |
| **Halogen-free:** | Yes |
| **Heat deflection temperature @ 1.8 Mpa:** | 151°F (66°C) per ASTM D648 ISO 75 - 1/-2 |
| **Chemical resistance:** | High |
| **Salts:** | Low |
| **Hydrocarbons (gas, oil, lubricants):** | Excellent |
| **Chlorinated hydrocarbons:** | High |
| **Base:** | High |
| **Acid rain:** | Low |
| **Impact resistance:** | High |

†This is an estimated life expectancy and not a guarantee of life in an application

## ORDERING INFORMATION

| Part Number | Used with PIR Nylon 6.6 Cable Ties | Description | Std. Pkg. Qty. |
|---|---|---|---|
| **Tool Controlled Tension and Cut-off Tools** | | | |
| **GTS-E, GS2B-E** | Subminiature, Miniature, Intermediate, Standard | Tool controlled tension tool consistently provides flush tie cut-offs to speed installation | 1 |
| **GS4H-E, GTH-E** | Standard, Heavy-Standard, Light-Heavy, Heavy | | |
| **GS4EH-E** | Light-Heavy, Heavy, Extra-Heavy | | |
| **Installer Controlled Tension and Cut-off Tools** | | | |
| **STS2** | Miniature, Intermediate, Standard | Installer controlled tension tools are economical and ideal for low volume applications | 1 |
| **STH2** | Standard, Heavy-Standard, Light-Heavy, Heavy | | |
| **ST3EH** | Light-Heavy, Heavy, Extra-Heavy | | |
| **Pneumatic Tools** | | | |
| **PTS** | Subminiature, Miniature, Intermediate, Standard | Pneumatic, push-button operation tools tension and cut off excess tie length in a fraction of a second | 1 |
| **PPTS** | Miniature, Intermediate Standard | | |
| **PTH** | Standard, Heavy-Standard, Light-Heavy, Heavy | | |

chanhvinh.com

# Post-Industrial Recycled (PIR) Nylon 6.6 Cable Ties and Mounts

## APPLICATIONS

Made with up to 100% post-industrial recycled (PIR) Nylon 6.6, these innovative products provide added value through superior quality, high reliability, and environmental sustainability credits across many industries. These Nylon-based cable ties are ideal for indoor and outdoor wire and cable management applications, with an expected weathering life of up to 10 years†.

To ensure optimal performance, follow proper installation and storage procedures. Store ties in sealed packaging at 73°F/20°C (±15°F/8°C) and 50% relative humidity. PIR Nylon 6.6 cable tie and mount products are moisture conditioned and sealed in heavy-wall, polyethylene heat-sealed bags during manufacturing to ensure optimal performance during installation.

†This is an estimated life expectancy and not a guarantee of life in an application







## ORDERING INFORMATION

| Part Number | Mounting Method | Max. Bundle Diameter In. (mm) | Footprint (Ø) In. (mm) | Panel to Top of Mount In. (mm) | Overall Height In. (mm) | Hole Size Range In. (mm) | Min. Loop Tensile Strength Lbs (N) | Panel Thickness Range In. (mm) | Std. Pkg. Qty.‡ | Bulk Pkg. Qty. ‡ |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cable Tie Push Mount Assembly** | | | | | | | | | | |
| **PUM-049-2S-D360♦** | Fir Tree | 1.88 (47.8) | 0.67 (17) | 0.26 (6.6) | 0.54 (13.8) | 0.18-0.19 (4.6-4.9) | 35 (156) | 0.03-0.12 (0.7-3.0) | 500 | 5,000 |

♦PLT2S cable tie included in assembly. This cable tie is manufactured with Post-Industrial Recycled (PIR) Nylon 6.6 material. It is impact modified, heat-stabilized, and UV resistant. Can be used with the following installation tools: GTS-E; GS2B-E; GTH-E; GS4H-E; PTS; PTH; PPTS; STS2; STH2

‡Order number of pieces required, in multiples of packages quantity

| Part Number | Type of Fastening | Maximum Compatible Panel Thickness In. (mm) | Length In. (mm) | Width In. (mm) | Overall Height In. (mm) | Suitable for Cable Tie Width To | For Max. Bundle Dia. In. (mm) | Min. Loop Tensile Strength Lbs. (N) | Pkg. Qty. | Bulk Qty. |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cable Tie Push-In Cradle Mount Assembly** | | | | | | | | | | |
| **TCM1X63-2S-D360** | Push Barb | 0.12 (3) | 7.4 (188) | 0.75 (19) | 0.48 (12.2) | 0.19 (4.8) | 0.63 (16) | 35 (156) | 500 | 4,000 |

Requires user-supplied frame or bracket with pocket/cutout dimensions 0.94" x 0.60" (23.8mm x 15.3mm).
Allowable frame thickness of 0.08" to 0.12" (2.0mm to 3.0mm).

| Part Number | Type of Fastening | Screw Size | Length In. (mm) | Width In. (mm) | Overall Height In. (mm) | Cable Tie Compatibility | Pkg. Qty. | Bulk Qty. |
|---|---|---|---|---|---|---|---|---|
| **Wing Clamp Tie Mount** | | | | | | | | |
| **TMWCS6-C360** | Screw-On | M6 (metric) or 1/4 (imperial) | 3.2 (81.3) | 0.8 (20.3) | 1.3 (33.3) | PLWS4EH-TL360 Recommended; Compatible with any PIR cable ties | 100 | 1500 |

For heavy duty applications, this mount works with a cable tie to anchor and secure loom tubing, hoses and/or pneumatic lines.

chanhvinh.com

# Post-Industrial Recycled (PIR) Nylon 6.6 Cable Ties and Mounts

## ORDERING INFORMATION

| Part Number | Length In. (mm) | Width In. (mm) | Thickness In. (mm) | Max. Bundle Dia. In. (mm) | Min. Bundle Dia. In. (mm) | Min. Loop Tensile Strength Lbs. (N) | Recommended Installation Tool | Pkg. Qty. ‡ | Bulk Qty. |
|---|---|---|---|---|---|---|---|---|---|
| **Miniature Cross Section** | | | | | | | | | |
| **PLT1M-C360** | 3.9 (99) | 0.089 (2.5) | 0.043 (1.1) | 0.87 (22) | 0.06 (1.6) | 12 (53) | GTS-E, GS2B-E, PTS, PPTS, STS2 | 100 | 1,000 |
| **PLT1M-M360** | | | | | | | | 1,000 | 50,000 |
| **Intermediate Cross Section** | | | | | | | | | |
| **PLT1.5I-C360** | 5.6 (142) | 0.142 (3.6) | 0.045 (1.1) | 1.38 (35) | 0.06 (1.6) | 26 (116) | GTS-E, GS2B-E, PTS, PPTS, STS2 | 100 | 1,000 |
| **PLT1.5I-M360** | | | | | | | | 1,000 | 25,000 |
| **Standard Cross Section** | | | | | | | | | |
| **PLT2S-C360** | 7.4 (188) | 0.190 (4.8) | 0.052 (1.3) | 1.88 (47) | 0.06 (1.6) | 35 (156) | GTS-E, GS2B-E, GTH-E, GS4H-E, PTS, PTH, PPTS, STS2, STH2 | 100 | 1,000 |
| **PLT3S-C360** | 11.5 (292) | | | 3.0 (76) | | | | | |
| **PLT4S-C360** | 14.5 (368) | | | 4.0 (102) | | | | | |
| **PLT2S-M360** | 7.4 (188) | | | 1.88 (47) | | | | 1,000 | 10,000 |
| **PLT3S-M360** | 11.5 (292) | | | 3.0 (76) | | | | | |
| **PLT4S-M360** | 14.5 (368) | | | 4.0 (102) | | | | | 5,000 |
| **Light-Heavy Cross Section** | | | | | | | | | |
| **PLT4H-TL360** | 14.5 (368) | 0.3 (7.6) | 0.075 (1.9) | 4.0 (102) | 0.188 (4.8) | 75 (334) | GTH-E, GS4H-E, GS4EH-E, PTH, ST2H, ST3EH, | 250 | 2,500 |
| **PLT4H-TL360/147** | | | 0.06 (1.5) | 4.11 (104.5) | | | | | |
| **PLT7LH-C360** | 24.7 (627) | | 0.075 (1.9) | 7.00 (178) | | | | 100 | 2,000 |
| **PLB4H-TL360◊** | 14.7 (373) | | | 3.6 (91) | 0.31 (7.9) | 100 (445) Both Loops | GTH-E, GS4H-E, GS4EH-E, PTH, STH2, ST3EH | 250 | 2,500 |
| **Extra-Heavy Cross Section** | | | | | | | | | |
| **PLT5EH-C360** | 20.1 (511) | 0.5 (12.7) | 0.075 (1.9) | 5.00 (127) | 0.50 (12.7) | 200 (890) | GS4EH-E, ST3EH | 100 | 1,000 |
| **PRT5EH-C360** | 20.1 (511) | 0.5 (12.7) | 0.075 (1.9) | 5.00 (127) | 0.50 (12.7) | | N/A | 100 | 1,000 |
| **PLDC2.5EH-C360** | 19.2 (489) | 0.5 (12.7) | 0.055 (1.4) | 2.3 (58) | 0.20 (5.1) | 130 (578) | GTH-E, GS4EH-E | 100 | 500 |
| **PLWS4EH-TL360** | 15.1 (384) | 0.5 (12.7) | 0.055 (1.4) | 4.13 (105) | 0.38 (9.5) | 100 (445) | GS4EH-E, PPTEH | 250 | 2,500 |

‡Order number of pieces required, in multiples of packages quantity

◊ This is a double loop cable tie



©2026 Panduit Corp. ALL RIGHTS RESERVED. FRSP42-WW-ENG 8/2026