

# TECHNICAL DATA SHEET

**Part No.** 111-12077  
**Article No.** 111-12077  
**Type** T120R



Used in the solar industry and other applications, HellermannTyton offers cable ties made of UV stabilized PA66UV material. This material provides additional protection against UV radiation for long-term outdoor use and is available in various styles, tensile strengths, and bundle diameters. T-Series cable ties feature inside serrations to provide a positive hold on wire and cable bundles. The head design guarantees high tensile strength and a low insertion force. For high-volume applications, tensioning tools are available to ensure consistent and safe installation. Specially manufactured to comply with Military Specification MS3367-3-0, Class 1 and SAE-AS33671.

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Material</b>              | Polyamide 6.6 UV-stabilized (PA66UV) |
| <b>Operating Temperature</b> | -40°F to +185°F (-40°C to +85°C)     |
| <b>Flammability</b>          | UL 94 V-2                            |
| <b>Halogen Free</b>          | Yes                                  |
| <b>UV Resistant</b>          | Yes                                  |
| <b>US MILSPEC</b>            | MS3367-3-0, Class 1, SAE-AS33671     |
| <b>Use Conditions</b>        | For Indoor and Outdoor Use           |
| <b>Color</b>                 | Black (BK)                           |
| <b>Pkg. Qty.</b>             | 500                                  |
| <b>Carton Qty.</b>           | 2000                                 |
| <b>Customs Number</b>        | 3926909988                           |

|                                         |                 |
|-----------------------------------------|-----------------|
| <b>Cable Tie Head Length (imperial)</b> | 0.41 "          |
| <b>Cable Tie Head Length (metric)</b>   | 10.5 mm         |
| <b>Cable Tie Head Width (imperial)</b>  | 0.50 "          |
| <b>Cable Tie Head Width (metric)</b>    | 12.65 mm        |
| <b>Height (imperial)</b>                | 0.29 "          |
| <b>Height (metric)</b>                  | 7.35 mm         |
| <b>Length (imperial)</b>                | 15.24 "         |
| <b>Length (metric)</b>                  | 387.0 mm        |
| <b>Max. Bundle Diameter (imperial)</b>  | 4.13 "          |
| <b>Max. Bundle Diameter (metric)</b>    | 105.0 mm        |
| <b>Min. Tensile Strength (imperial)</b> | 120 lbs         |
| <b>Min. Tensile Strength (metric)</b>   | 535 N           |
| <b>Serration Side</b>                   | Inside Serrated |
| <b>Thickness (imperial)</b>             | 0.07 "          |
| <b>Thickness (metric)</b>               | 1.9 mm          |
| <b>Width (imperial)</b>                 | 0.30 "          |
| <b>Width (metric)</b>                   | 7.6 mm          |

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RoHS ✓