



### Cable Ties without serration in flexible TPU

The soft, flexible material makes these ties particularly suitable for use on sensible wires for instance fibre-optic cables. Additionally they are suitable for moving elements and vibrating applications. The double slotted head allows for parallel bundling.

#### Features and benefits

- Elastic and flexible cable ties with rounded and smooth edges
- Releasable and reusable
- Double slotted head with fixation pawl
- Flexibility ensures steady and evenly distributed pressure
- Tight fixation even in vertical position: prevent sliding down or loosening bundle
- Suitable for moving elements and vibrating applications like windmills, machines, robotics, pulsating tubing and conduits
- Ideal use for temporarily fixation for presentations, concerts, theatres, exhibitions
- Long lifetime when used indoor
- Remains flexible even at cold temperatures (-20°C)

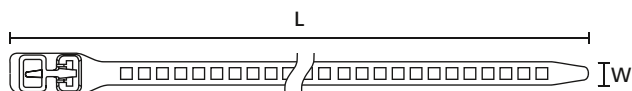


The elasticity of the SOFTIX ties makes them suitable for use in many applications.

**i With 2nd loop to run bundles in parallel!**



Application video: SOFTFIX




SRT- and SOFTFIX-Series




SOFTFIX ties available in small packaging units.

#### SRT-Series for industry quantities

| TYPE     | Width (W) | Length (L) | Bundle Ø max. |  | Material | Colour     | Pack Cont. | Article-No. |
|----------|-----------|------------|---------------|---|----------|------------|------------|-------------|
| SRT1807  | 7.0       | 180.0      | 45.0          | 57  | TPU      | Black (BK) | 50 pcs.    | 115-07189   |
| SRT2607  | 7.0       | 260.0      | 79.0          | 57  | TPU      | Black (BK) | 50 pcs.    | 115-07269   |
| SRT26011 | 11.0      | 260.0      | 55.0          | 123   | TPU      | Black (BK) | 50 pcs.    | 115-11269   |
| SRT34011 | 11.0      | 340.0      | 90.0          | 123   | TPU      | Black (BK) | 50 pcs.    | 115-11349   |
| SRT58028 | 28.0      | 580.0      | 150.0         | 360   | TPU      | Black (BK) | 10 pcs.    | 115-28589   |
| SRT88028 | 28.0      | 880.0      | 240.0         | 360   | TPU      | Black (BK) | 180 pcs.   | 115-28889   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

#### SOFTFIX-Family

| TYPE        | Width (W) | Length (L) | Bundle Ø max. |  | Material | Colour     | Pack Cont. | Article-No. |
|-------------|-----------|------------|---------------|---|----------|------------|------------|-------------|
| SOFTFIX XS  | 7.0       | 180.0      | 45.0          | 57  | TPU      | Black (BK) | 16 pcs.    | 115-07190   |
| SOFTFIX S   | 7.0       | 260.0      | 79.0          | 57  | TPU      | Black (BK) | 12 pcs.    | 115-07270   |
| SOFTFIX M   | 11.0      | 260.0      | 55.0          | 123   | TPU      | Black (BK) | 8 pcs.     | 115-11270   |
| SOFTFIX L   | 11.0      | 340.0      | 90.0          | 123   | TPU      | Black (BK) | 6 pcs.     | 115-11350   |
| SOFTFIX XL  | 28.0      | 580.0      | 150.0         | 360   | TPU      | Black (BK) | 3 pcs.     | 115-28590   |
| SOFTFIX XXL | 28.0      | 880.0      | 240.0         | 360   | TPU      | Black (BK) | 3 pcs.     | 115-28898   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

## Material Specification Overview

| MATERIAL  | Material Shortcut  | Operating Temperature                       | Colour**                 | Flammability | Material Properties*  | Material Specifications |
|---|--------------------|---|--------------------------|--------------|---|-------------------------|
| Aluminium-alloy   | AL                 | -40 °C to +180 °C                           | Natural (NA)             |              | <ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> </ul>   | RoHS                    |
| Chloroprene   | CR                 | -20 °C to +80 °C                            | Black (BK)               |              | <ul style="list-style-type: none"> <li>Weather-resistant</li> <li>High yield strength</li> </ul>  | RoHS                    |
| Ethylene Tetrafluoroethylene (Tefzel®)                      | E/TFE              | -80 °C to +170 °C                           | Blue (BU)                | UL 94 V0     | <ul style="list-style-type: none"> <li>Resistance to radioactivity</li> <li>UV-resistant, not moisture sensitive</li> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> </ul>  | RoHS                    |
| Polyacetal  | POM                | -40 °C to +90 °C, (+110 °C, 500 h)          | Natural (NA)             | UL 94 HB     | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Flexible at low temperature</li> <li>Not moisture sensitive</li> <li>Robust on impacts</li> </ul>   | RoHS                    |
| Polyamide 11  | PA11               | -40 °C to +85 °C, (+105 °C, 500 h)          | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Bio-plastic, derived from vegetable oil</li> <li>Strong impact resistance at low temperature</li> <li>Very low moisture absorption</li> <li>Weather-resistant</li> <li>Good chemical resistance</li> </ul> | HF<br>RoHS              |
| Polyamide 12  | PA12               | -40 °C to +85 °C, (+105 °C, 500 h)          | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> <li>UV-resistant</li> </ul>   | HF<br>RoHS              |
| Polyamide 4.6   | PA46               | -40 °C to +150 °C (5000 h), +195 °C (500 h) | Natural (NA), Grey (GY)  | UL 94 V2     | <ul style="list-style-type: none"> <li>Resistance to high temperatures</li> <li>Very moisture sensitive</li> <li>Low smoke sensitiv</li> </ul>  | HF<br>LFH<br>RoHS       |
| Polyamide 6   | PA6                | -40 °C to +80 °C                            | Black (BK)               | UL 94 V2     | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>   | RoHS                    |
| Polyamide 6, high impact modified                           | PA6HIR             | -40 °C to +80 °C                            | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>  | RoHS                    |
| Polyamide 6.6   | PA66               | -40 °C to +85 °C, (+105 °C, 500 h)          | Black (BK), Natural (NA) | UL 94 V2     | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>   | HF<br>RoHS              |
| Polyamide 6.6, glass-fibre reinforced                       | PA66GF13, PA66GF15 | -40 °C to +105 °C                           | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Good resistance to: lubricants, vehicle fuel, salt water and a lot of solvent</li> </ul>   | HF<br>RoHS              |
| Polyamide 6.6, heat and UV stabilised                       | PA66HSW            | -40 °C to +105 °C                           | Black (BK)               | UL 94 V2     | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated max. temperature</li> <li>UV-resistant</li> </ul>   | HF<br>RoHS              |
| Polyamide 6.6, heat stabilised                              | PA66HS             | -40 °C to +105 °C                           | Black (BK), Natural (NA) | UL 94 V2     | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated max. temperature</li> </ul>   | HF<br>RoHS              |
| Polyamide 6.6, high impact modified                         | PA66HIR            | -40 °C to +80 °C, (+105 °C, 500 h)          | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>  | RoHS                    |
| Polyamide 6.6, high impact modified, heat and UV stabilised | PA66HIRHSW         | -40 °C to +110 °C                           | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> <li>Modified elevated max. temperature</li> <li>High yield strength, UV-resistant</li> </ul>                           | RoHS                    |
| Polyamide 6.6, high impact modified, heat stabilised        | PA66HIRHS          | -40 °C to +105 °C                           | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> <li>Modified elevated max. temperature</li> </ul>  | RoHS                    |
| Polyamide 6.6, high impact modified, ScanBlack              | PA66HIR(S)         | -40 °C to +80 °C, (+105 °C, 500 h)          | Black (BK)               | UL 94 HB     | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>  | RoHS                    |
| Polyamide 6.6, UV-resistant                                 | PA66W              | -40 °C to +85 °C, (+105 °C, 500 h)          | Black (BK)               | UL 94 V2     | <ul style="list-style-type: none"> <li>High yield strength</li> <li>UV-resistant</li> </ul>   | HF<br>RoHS              |

| MATERIAL  | Material Shortcut | Operating Temperature                 | Colour**                    | Flammability        | Material Properties*   | Material Specifications                |
|---|-------------------|---------------------------------------|-----------------------------|---------------------|--|--|
| <b>Polyamide 6.6,</b><br>with metal particles   | PA66MP            | -40 °C to +85 °C,<br>(+105 °C, 500 h) | Blue (BU)                   | UL 94 HB            | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and X-Ray detectable</li> </ul>  | <b>HF</b><br><b>RoHS</b>               |
| <b>Polyamide 6.6,</b><br>with metal particles   | PA66MP+           | -40 °C to +85 °C                      | Blue (BU)                   | not flame retardant | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and x-ray detectable</li> </ul>  | <b>HF</b><br><b>RoHS</b>               |
| <b>Polyamide 6.6 V0</b>   | PA66V0            | -40 °C to +85 °C                      | White (WH)                  | UL 94 V0            | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Low smoke emission</li> </ul>  | <b>HF</b><br><b>LFH</b><br><b>RoHS</b> |
| <b>Polyester</b>  | SP                | -50 °C to +150 °C                     | Black (BK)                  | halogen free        | <ul style="list-style-type: none"> <li>UV-resistant</li> <li>Good chemical resistance to: most acids, alkalis and oils</li> </ul>  | <b>HF</b><br><b>LFH</b><br><b>RoHS</b> |
| <b>Polyetheretherketone</b>   | PEEK              | -55 °C to +240 °C                     | Beige (BGE)                 | UL 94 V0            | <ul style="list-style-type: none"> <li>Resistance to radioactivity</li> <li>Not moisture sensitive</li> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> </ul> | <b>HF</b><br><b>LFH</b><br><b>RoHS</b> |
| <b>Polyethylene</b>   | PE                | -40 °C to +50 °C                      | Black (BK),<br>Grey (GY)    | UL 94 HB            | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to: most acids, alcohol and oils</li> </ul>                                       | <b>HF</b><br><b>RoHS</b>               |
| <b>Polyolefin</b>   | PO                | -40 °C to +90 °C                      | Black (BK)                  | UL 94 V0            | <ul style="list-style-type: none"> <li>Low smoke emissions</li> </ul>  | <b>HF</b><br><b>LFH</b><br><b>RoHS</b> |
| <b>Polypropylene</b>  | PP                | -40 °C to +115 °C                     | Black (BK),<br>Natural (NA) | UL 94 HB            | <ul style="list-style-type: none"> <li>Floats in water</li> <li>Moderate yield strength</li> <li>Good chemical resistance to: organic acids</li> </ul>                             | <b>HF</b><br><b>RoHS</b>               |
| <b>Polypropylene,<br/>Ethylene-Propylene-<br/>Dien-Terpolymere-<br/>rubber</b><br>free of Nitrosamine | PP, EPDM          | -20 °C to +95 °C                      | Black (BK)                  | UL 94 HB            | <ul style="list-style-type: none"> <li>Good resistance to high temperatures</li> <li>Good chemical and abrasion resistance</li> </ul>  | <b>HF</b><br><b>RoHS</b>               |
| <b>Polypropylene</b><br>with metal particles  | PPMP              | -40 °C to +115 °C                     | Blue (BU)                   | UL 94 HB            | <ul style="list-style-type: none"> <li>Metal and X-Ray detectable</li> <li>Heat resistant</li> <li>Moderate yield strength</li> <li>Good chemical resistance</li> </ul>            | <b>RoHS</b>                            |
| <b>Polypropylene</b><br>with metal particles  | PPMP+             | -40 °C to +85 °C                      | Blue (BU)                   | not flame retardant | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and x-ray detectable</li> </ul>  | <b>HF</b><br><b>RoHS</b>               |
| <b>Polyvinylchloride</b>  | PVC               | -10 °C to +70 °C                      | Black (BK),<br>Natural (NA) | UL 94 V0            | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to: acids, ethanol and oil</li> </ul>   | <b>RoHS</b>                            |
| <b>Stainless Steel</b>  | SS304,<br>SS316   | -80 °C to +538 °C                     | Natural (NA)                | non-burning         | <ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> <li>Weather resistant</li> <li>Outstanding chemical resistance</li> </ul>                    | <b>HF</b><br><b>LFH</b><br><b>RoHS</b> |
| <b>Thermoplastic<br/>Polyurethane</b>   | TPU               | -40 °C to +85 °C                      | Black (BK)                  | UL 94 HB            | <ul style="list-style-type: none"> <li>High elastic</li> <li>Good chemical resistance to: acids, bases and oxidizing agents</li> </ul>   | <b>HF</b><br><b>RoHS</b>               |

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\*\*More colours on request.



**N** = Minimum Loop Tensile Strength for Cable Ties (Newton)

**HF** = Halogenfree

**LFH** = Limited Fire Hazard

**RoHS** = Restriction of Hazardous Substances

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