



### Cable ties inside serrated with tuckaway

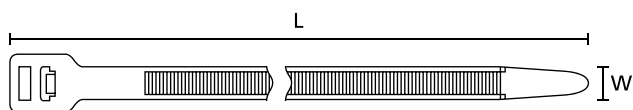
The RT250 is a releasable cable tie. Due to its minimum loop tensile strength of 1,115 N the cable tie is perfectly suited to fix larger and/or heavier bundles. RT250 can be opened and reused. UV-resistant cable ties manufactured from PA66W are recommended for outdoor applications. For shorter lengths REL250-Series can be offered.

#### Features and benefits

- Releasable and reusable cable tie
- Suitable for larger and/or heavier bundles
- Eyelet allows excess tail to be tucked neatly away
- Available in black and natural colour
- Extended trigger for simple and quick release of ties
- Protected trigger to avoid accidental release
- RT250 cable ties are inside serrated



*Ideal for larger or heavier bundles these ties can be opened and reused.*



RT250-Series



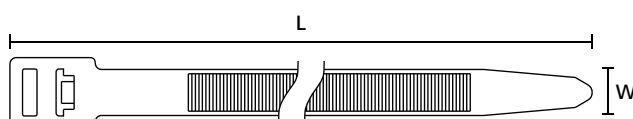
**Material specification  
please see page 26.**

#### RT250-Series

| TYPE    | Width (W) | Length (L) | Bundle Ø max. | N     | Material | Colour       | Pack Cont. | Article-No. |
|---------|-----------|------------|---------------|-------|----------|--------------|------------|-------------|
| RT250M  | 12.5      | 565.3      | 150.0         | 1,115 | PA66     | Black (BK)   | 25 pcs.    | 131-75610   |
|         | 12.5      | 565.3      | 150.0         | 1,115 | PA66     | Natural (NA) | 25 pcs.    | 131-75619   |
|         | 12.5      | 565.3      | 150.0         | 1,115 | PA66W    | Black (BK)   | 25 pcs.    | 131-75620   |
| RT250XL | 12.5      | 1,030.0    | 305.0         | 1,115 | PA66     | Black (BK)   | 25 pcs.    | 131-75510   |
|         | 12.5      | 1,030.0    | 305.0         | 1,115 | PA66     | Natural (NA) | 25 pcs.    | 131-75519   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



REL250-Series

#### REL250-Series

| TYPE    | Width (W) | Length (L) | Bundle Ø max. | N     | Material   | Colour     | Pack Cont. | Article-No. |
|---------|-----------|------------|---------------|-------|------------|------------|------------|-------------|
| REL250S | 12.2      | 230.0      | 50.0          | 1,115 | PA66HIR(S) | Black (BK) | 50 pcs.    | 111-00074   |
| REL250X | 12.2      | 385.0      | 100.0         | 1,115 | PA66HIR(S) | Black (BK) | 50 pcs.    | 111-00075   |

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<br>Shortcut | Operating<br>Temperature                                   | Colour**                       | Flammability            | Material Properties*                                                                                                                                                                                                                              | Material<br>Specifications |
|-------------------------------------------------------------------|----------------------|------------------------------------------------------------|--------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Aluminium alloy                                                   | AL                   | -40 °C to +180 °C                                          | Natural<br>(NA)                |                         | <ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> </ul>                                                                                                                                                       | RoHS                       |
| Chloroprene rubber                                                | 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<br>Tetrafluoroethylene<br>(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,<br>(+110 °C, 500 h)                      | Natural<br>(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 impact</li> </ul>                                                                  | RoHS                       |
| Polyamide 11                                                      | PA11                 | -40 °C to +85 °C,<br>(+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,<br>(+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 +130 °C,<br>(+150 °C, 5000 h;<br>+195 °C, 500 h) | Natural<br>(NA), Grey<br>(GY)  | UL 94 V2                | <ul style="list-style-type: none"> <li>Resistance to high temperatures</li> <li>Very moisture sensitive</li> <li>Low smoke sensitivity</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,<br>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,<br>(+105 °C, 500 h)                      | Black (BK),<br>Natural<br>(NA) | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>                                                                                                                                                                             | HF<br>RoHS                 |
| Polyamide 6.6,<br>glass-fibre reinforced                          | PA66GF13             | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Good resistance to lubricants, fuels, salt water and solvents</li> </ul>                                                                                                                                   | HF<br>RoHS                 |
| Polyamide 6.6,<br>heat and UV-stabilised                          | PA66HSUV             | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK)                     | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated maximum temperature</li> <li>UV resistant</li> </ul>                                                                                                        | HF<br>RoHS                 |
| Polyamide 6.6,<br>heat stabilised                                 | PA66HS               | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK),<br>Natural<br>(NA) | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated maximum temperature</li> </ul>                                                                                                                              | HF<br>RoHS                 |
| Polyamide 6.6,<br>high impact modified                            | PA66HIR              | -40 °C to +80 °C,<br>(+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,<br>high impact modified,<br>heat and UV-stabilised | PA66HIRHSUV          | -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 maximum temperature</li> <li>High yield strength, UV resistant</li> </ul>                        | RoHS                       |
| Polyamide 6.6,<br>high impact modified,<br>heat stabilised        | PA66HIRHS            | -40 °C to +105 °C,<br>(+105 °C for 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> <li>Modified elevated maximum temperature</li> </ul>                                                                   | RoHS                       |
| Polyamide 6.6,<br>high impact modified,<br>scan black             | PA66HIR(S)           | -40 °C to +80 °C,<br>(+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,<br>UV-resistant                                    | PA66W                | -40 °C to +85 °C,<br>(+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                 |
| Polyamide 6.6,<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>                                                                                                                                         | HF<br>RoHS                 |
| Polyamide 6.6,<br>with metal particles                            | PA66MP+              | -40 °C to +85 °C                                           | Blue (BU)                      | not flame-<br>retardant | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and X-Ray detectable</li> </ul>                                                                                                                                         | HF<br>RoHS                 |

| MATERIAL                                                                                | Material Shortcut | Operating Temperature | Colour**                 | Flammability        | Material Properties*                                                                                                                                                                                                               | Material Specifications |
|-----------------------------------------------------------------------------------------|-------------------|-----------------------|--------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <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>                                                                                                                                  | HF<br>LFH<br>RoHS       |
| <b>Polyester</b>                                                                        | SP                | -50 °C to +150 °C     | Black (BK)               |                     | <ul style="list-style-type: none"> <li>UV resistant</li> <li>Good chemical resistance to most acids, bases and oils</li> </ul>                                                                                                     | HF<br>LFH<br>RoHS       |
| <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, oxidising agents</li> </ul>                                                  | HF<br>LFH<br>RoHS       |
| <b>Polyethylene</b>                                                                     | PE                | -40 °C to +50 °C      | Black (BK), Grey (GY)    | UL 94 HB            | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to most acids, bases, alcohol, oils</li> </ul>                                                                                    | HF<br>RoHS              |
| <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>                                                                                                                                                              | HF<br>LFH<br>RoHS       |
| <b>Polypropylene</b>                                                                    | PP                | -40 °C to +115 °C     | Black (BK), 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 acids, bases and solvents</li> </ul>                                                                  | HF<br>RoHS              |
| <b>Polypropylene, Ethylene Propylene Diene Terpolymer</b><br>rubber 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 temperature</li> <li>Good chemical and abrasion resistance</li> </ul>                                                                                               | HF<br>RoHS              |
| <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>                                                            | RoHS                    |
| <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>                                                                                                                          | HF<br>RoHS              |
| <b>Polyvinylchloride</b>                                                                | PVC               | -10 °C to +70 °C      | Black (BK), Natural (NA) | UL 94 V0            | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to acids, bases, salts, alcohol, oils</li> </ul>                                                                                  | RoHS                    |
| <b>Stainless Steel</b>                                                                  | SS304, 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>Chemical resistance</li> <li>SS316 also resistant against seawater, salt spray and anorganic acids</li> </ul> | HF<br>LFH<br>RoHS       |
| <b>Thermoplastic Polyurethane</b>                                                       | TPU               | -40 °C to +85 °C      | Black (BK)               | UL 94 HB            | <ul style="list-style-type: none"> <li>High elasticity</li> <li>Good chemical resistance to: acids, bases and oxidizing agents</li> </ul>                                                                                          | HF<br>RoHS              |

Tefzel® is a registered trademark of DuPont. General linguistic usage for cable ties made from raw material E/TFE is Tefzel®-Tie. In addition to Tefzel® from DuPont HellermannTyton also uses equivalent E/TFE raw material from other suppliers.

\*\*Further colours available on request.

\*These details are only guide values. They should not be regarded as a exhaustive material specification and are no substitute for suitability tests. Please see our datasheets for further details.

HF = Halogen Free

LFH = Limited Fire Hazard

RoHS = Restriction of Hazardous Substances

 = Minimum Loop Tensile Strength for Cable Ties (newton)