



### Cable Ties outside serrated for marking

- LR55-Series

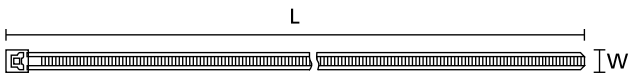
These releasable and reusable ties are ideal where temporary installation or the addition or removal of cables is required, e.g. logistic identification (colour coding), packaging industries or cable harness manufacturing.

#### Features and Benefits

- Releasable and reusable cable tie available in various colours
- Extended trigger for quick and easy release of ties
- Various colours ideal for applications that require colour coding
- Outside serration, minimising the risk of cable insulation damage



The LR55 cable ties are reusable and ideal for colour coding.



LR55 Series

**Material specification please see page 22.**

| TYPE  | Width (W) | Length (L) | Bundle Ø max. | N   | Material | Colour       | Pack Cont. | Article-No. |
|-------|-----------|------------|---------------|-----|----------|--------------|------------|-------------|
| LR55R | 4.7       | 195.0      | 50.0          | 245 | PA66     | Blue (BU)    | 25         | 115-00006   |
|       | 4.7       | 195.0      | 50.0          | 245 | PA66     | Green (GN)   | 25         | 115-00005   |
|       | 4.7       | 195.0      | 50.0          | 245 | PA66     | Natural (NA) | 25         | 115-00008   |
|       | 4.7       | 195.0      | 50.0          | 245 | PA66     | Red (RD)     | 25         | 115-00003   |
|       | 4.7       | 195.0      | 50.0          | 245 | PA66     | Yellow (YE)  | 25         | 115-00004   |
|       | 4.7       | 195.0      | 50.0          | 245 | PA66HS   | Black (BK)   | 25         | 115-00002   |

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                                 | Shortcut           | Operating Temperature                       | Colour**                 | Flammability | Material Properties*  |             |
|--|--------------------|---|--------------------------|--------------|---|-------------|
| 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        |
| Ethylenterafluorineethylen               | E/TFE              | -80 °C to +170 °C                           | Blue (BU)                | UL94 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)             | UL94 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)               | UL94 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> | RoHS HF     |
| Polyamide 12                             | PA12               | -40 °C to +85 °C, (+105 °C, 500 h)          | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> <li>UV-resistant</li> </ul>   | RoHS HF     |
| Polyamide 4.6                            | PA46               | -40 °C to +150 °C (5000 h), +195 °C (500 h) | Natural (NA), Grey (GY)  | UL94 V2      | <ul style="list-style-type: none"> <li>Resistance to high temperatures</li> <li>Very moisture sensitive</li> <li>Low smoke sensitive</li> </ul>   | RoHS HF LFH |
| Polyamide 6                              | PA6                | -40 °C to +80 °C                            | Black (BK)               | UL94 V2      | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>   | RoHS        |
| Polyamide 6.6                            | PA66               | -40 °C to +85 °C, (+105 °C, 500 h)          | Black (BK), Natural (NA) | UL94 V2      | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>   | RoHS HF     |
| Polyamide 6.6, Glassfibre reinforced     | PA66GF13, PA66GF15 | -40 °C to +105 °C                           | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>Good resistance to: lubricants, vehicle fuel, salt water and many solvents</li> </ul>  | RoHS HF     |
| Polyamide 6.6 heat and UV stabilised     | PA66HSW            | -40 °C to +105 °C                           | Black (BK)               | UL94 V2      | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated max. temperature</li> <li>UV-resistant</li> </ul>   | RoHS HF     |
| Polyamide 6.6 Heat Stabilised            | PA66HS             | -40 °C to +105 °C                           | Black (BK), Natural (NA) | UL94 V2      | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated max. temperature</li> </ul>   | RoHS HF     |
| Polyamide 6.6 High Imp. Mod., Heat Stab. | PA66HIRHS          | -40 °C to +105 °C                           | Black (BK)               | UL94 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 Imp. Mod. scan black  | PA66HIR(S)         | -40 °C to +80 °C, (+105 °C, 500 h)          | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>  | RoHS HF     |
| Polyamide 6.6 High Impact Modified       | PA66HIR            | -40 °C to +80 °C, (+105 °C, 500 h)          | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>  | 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 is also using equivalent E/TFE raw material from other suppliers.

\*\*More colours on request.

\*These details are only rough guide values. They should be regarded as a material specification and are no substitute for a suitability test. Please see our datasheets for further details.

= Minimum Tensile Strength

## Material Specification Overview

| Material  | Shortcut     | Operating Temperature              | Colour**                 | Flammability | Material Properties*  | RoHS | HF | LFH |
|---|--------------|------------------------------------|--------------------------|--------------|---|------|----|-----|
| <b>Polyamide 6.6</b><br>high impact modified, heat and UV stabilised                | PA66-HIRHSW  | -40 °C to +110 °C                  | Black (BK)               | UL94 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 | HF |     |
| <b>Polyamide 6.6</b><br>UV Resistant  | PA66W        | -40 °C to +85 °C, (+105 °C, 500 h) | Black (BK)               | UL94 V2      | <ul style="list-style-type: none"> <li>High yield strength</li> <li>UV-resistant</li> </ul>   | RoHS | HF |     |
| <b>Polyamide 6.6 V0</b>   | PA66V0       | -40 °C to +85 °C                   | White (WH)               | UL94 V0      | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Low smoke emission</li> </ul>   | RoHS | HF | LFH |
| <b>Polyamide 6.6 V0</b><br>High Oxygen Index  | PA66-V0-HOI  | -40 °C to +85 °C, (+105 °C, 500 h) | White (WH)               | UL94 V0      | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Low smoke emissions</li> </ul>  | RoHS | HF | LFH |
| <b>Polyamide 6.6</b><br>with metal particles  | PA66MP       | -40 °C to +85 °C, (+105 °C, 500 h) | Blue (BU)                | UL94 HB      | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>   | RoHS | HF |     |
| <b>Polyamide 6</b><br>high impact modified  | PA6HIR       | -40 °C to +80 °C                   | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>  | 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, alkalis and oils</li> </ul>   | RoHS | HF | LFH |
| <b>Polyetheretherketone</b>   | PEEK         | -55 °C to +240 °C                  | Beige (BGE)              | UL94 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>                                      | RoHS | HF | LFH |
| <b>Polyethylene</b>   | PE           | -40 °C to +50 °C                   | Black (BK), Grey (GY)    | UL94 HB      | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to: most acids, alcohol and oils</li> </ul>  | RoHS | HF |     |
| <b>Polyolefin</b>   | PO           | -40 °C to +90 °C                   | Black (BK)               | UL94 V0      | <ul style="list-style-type: none"> <li>Low smoke emissions</li> </ul>   | RoHS | HF | LFH |
| <b>Polypropylene</b>  | PP           | -40 °C to +115 °C                  | Black (BK), Natural (NA) | UL94 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>  | RoHS | HF |     |
| <b>Polypropylene, Ethylene-Propylene-Dien-Terpolymer-rubber free of Nitrosamine</b> | PP, EPDM     | -20 °C to +95 °C                   | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>Good resistance to high temperatures</li> <li>Good chemical and abrasion resistance</li> </ul>   | RoHS | HF |     |
| <b>Polyvinylchloride</b>  | PVC          | -10 °C to +70 °C                   | Black (BK), Natural (NA) | UL94 V0      | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to: acids, ethanol, oil</li> </ul>   | RoHS |    |     |
| <b>Stainless Steel</b>  | SS304, SS316 | -80 °C to +538 °C                  | Natural (NA)             |              | <ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> </ul>   | RoHS | HF | LFH |
| <b>Thermoplastic Polyurethane</b>   | TPU          | -40 °C to +85 °C                   | Black (BK)               | UL94 HB      | <ul style="list-style-type: none"> <li>High elastic</li> <li>Good chemical resistance to: acids, bases, oxidizing agents</li> </ul>   | RoHS | HF |     |

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