



### 2-Piece Fixing Ties for Edges, 1.0 - 3.0 mm, Top Fixing

#### EdgeClip-Family

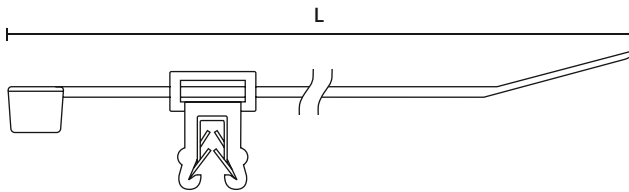
These cable ties and EdgeClip assemblies are ideal for use where holes are not acceptable or where due to temperature problems adhesives will fail. These assemblies are widely used for fixing and bundling cables, pipes and hoses within the automotive industry, harness making, panel building and electrical industry.

#### Features and benefits

- Pre-assembled 2-piece fixing tie with EdgeClip
- Cable tie head can be moved after bundling
- EC9, EC10, EC21 and EC22 are for minimum bundle diameters of 1 mm
- For edges of 1 - 3 mm



T50ROSEC10 fitted onto a plastic panel to hold a Ø 6 mm harness.



Fixing Tie with EC4

PART DESCRIPTION	Drawing	Width (W)	Length (L)	Bundle Ø max.	N
T30REC4A-PA66HS/PA66HIRHS-BK		3.6	148.0	33.0	135
T50SOSEC4A-PA66HS/PA66HIRHS-BK		4.6	150.0	35.0	225
T50ROSEC4A-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T50REC4A-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T50ROSEC4A-W-PA66W-BK		4.6	200.0	45.0	225
T50REC4A-PA66HS/PA66HIRHS-BK		4.6	202.0	45.0	225
T30REC4B-PA66HS/PA66HIRHS-BK		3.6	148.0	35.0	135
T50SOSEC4B-PA66HS/PA66HIRHS-BK		4.6	150.0	35.0	225
T50ROSEC4B-PA46-GY		4.6	200.0	45.0	225
T50ROSEC4B-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T18REC10SD-PA66HS/PA66HIRHS-BK		2.5	100.0	22.0	80
T50SOSEC10-PA66HS/PA66HIRHS-BK		4.6	150.0	31.0	225
T50ROSEC10-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T18REC9SD-PA66HS/PA66HIRHS-BK		2.5	100.0	22.0	80
T50SOSEC9SD-PA66HS/PA66HIRHS-BK		4.6	150.0	31.0	225
T50ROSEC9-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T50REC9SD-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225

All dimensions in mm. Subject to technical changes.



### Material Specification Overview

MATERIAL	Material Shortcut	Operating Temperature	Colour*	Flammability
Aluminium alloy	AL	-40 °C to +180 °C	Natural (NA)	
Chloroprene Rubber	CR	-20 °C to +80 °C	Black (BK)	
Ethylene Tetrafluoroethylene (Tefzel®)	E/TFE	-80 °C to +170 °C	Blue (BU)	UL 94 V0
Polyacetal	POM	-40 °C to +90 °C, (+110 °C, 500 h)	Natural (NA)	UL 94 HB
Polyamide 11	PA11	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB
Polyamide 11, UV-resistant	PA11W	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 12	PA12	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB
Polyamide 4.6	PA46	-40 °C to +130 °C, (+150 °C, 5000 h; +195 °C, 500 h)	Natural (NA), Grey (GY)	UL 94 V2
Polyamide 6	PA6	-40 °C to +80 °C	Black (BK)	UL 94 V2
Polyamide 6, glass-fibre reinforced	PA6GF30	-40 °C to +100 °C	Black (BK)	UL 94 HB
Polyamide 6, high impact modified	PA6HIR	-40 °C to +80 °C	Black (BK)	UL 94 HB
Polyamide 6, high impact modified, heat stabilised	PA6HIRHS	-80 °C to +110 °C	Black (BK)	UL 94 HB
Polyamide 6.6	PA66	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, glass-fibre reinforced	PA66GF13	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 6.6, glass-fibre reinforced	PA66GF15	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 6.6, heat and UV stabilised	PA66HSUV	-40 °C to +105 °C	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, heat and UV stabilised	PA66HSW	-40 °C to +105 °C	Black (BK)	UL 94 V2
Polyamide 6.6, heat stabilised	PA66HS	-40 °C to +105 °C	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, high impact modified	PA66HIR	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, heat and UV stabilised	PA66HIRHSUV	-40 °C to +110 °C	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, heat and UV stabilised (only for cable ties for Autotool System 3080)	PA66HIRHSUV	-40 °C to +95 °C, (+105 °C, 5000 h; +145 °C, 500 h)	Black (BK), Natural (NA)	UL 94 HB
Polyamide 6.6, high impact modified, heat and UV stabilised	PA66HIRHSW	-40 °C to +110 °C	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, heat stabilised	PA66HIRHS	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, scan black	PA66HIR(S)	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB

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.

 = Minimum Loop Tensile Strength for Cable Ties (Newton)



MATERIAL	Material Shortcut	Operating Temperature	Colour*	Flammability
<b>Polyamide 6.6</b> , UV resistant	PA66W	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 V2
<b>Polyamide 6.6</b> , UV-stabilised	PA66UV	-40 °C to +85 °C	Black (BK), Natural (NA)	UL 94 V2
<b>Polyamide 6.6</b> , with metal particles	PA66MP	-40 °C to +85 °C, (+105 °C, 500 h)	Blue (BU)	UL 94 HB
<b>Polyamide 6.6</b> , with metal particles	PA66MP+	-40 °C to +85 °C	Blue (BU)	not flame retardant
<b>Polyamide 6.6 V0</b>	PA66V0	-40 °C to +85 °C	White (WH)	UL 94 V0
<b>Polyaryletherketone</b>	PAEK	-55 °C to +200 °C	Beige (BGE)	UL 94 V0
<b>Polyester</b>	SP	-50 °C to +150 °C	Black (BK)	
<b>Polyetheretherketone</b>	PEEK	-55 °C to +240 °C	Beige (BGE)	UL 94 V0
<b>Polyethylene</b>	PE	-40 °C to +50 °C	Black (BK), Grey (GY)	UL 94 HB
<b>Polyolefin</b>	PO	-40 °C to +90 °C	Black (BK)	UL 94 V0
<b>Polyphenylene Sulfide</b>	PPS	-40 °C to +150 °C	Black (BK), Grey (GY)	UL 94 V0
<b>Polypropylene, Ethylene Propylene Diene Terpolymer rubber</b> free of Nitrosamine	PP, EPDM	-20 °C to +95 °C	Black (BK)	UL 94 HB
<b>Polypropylene 20% Talkum</b>	PPT20	-40 °C to +65 °C	Black (BK)	UL 94 HB
<b>Polypropylene</b> with metal particles	PPMP	-40 °C to +115 °C	Blue (BU)	UL 94 HB
<b>Polypropylene</b> with metal particles	PPMP+	-40 °C to +85 °C	Blue (BU)	not flame retardant
<b>Polyvinylidene Fluoride</b>	PVDFX	-50 °C to +150 °C	Natural (NA)	UL 94 V0
<b>Polyvinylchloride</b>	PVC	-10 °C to +70 °C	Black (BK), Natural (NA)	UL 94 V0
<b>Stainless Steel</b>	SS304, SS316	-80 °C to +538 °C	Natural (NA)	non-burning
<b>Thermoplastic Polyurethane</b>	TPU	-40 °C to +85 °C	Black (BK)	UL 94 HB

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## Tip: Material shortcut is part of our Part Description name

**Product series name** (indicating tie type, clip and harness routing variant)

**Material code**

**Colour code** (details on page 326)

T50ROSEC5A-PA66HS/PA66HIRHS-BK