



Cable Ties and Fixings

Cable Ties With Fixing Elements

2-Piece Fixing Ties for Edges, 1.0 - 3.0 mm, Side Fixing

EdgeClip-Family

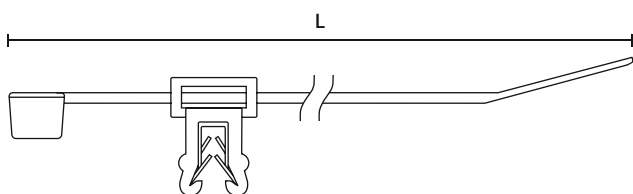
These cable ties and EdgeClip assemblies are ideal for use where holes are not acceptable or where due to temperature problems adhesives will fail. These assemblies are widely used for fixing and bundling cables, pipes and hoses within the automotive industry, harness making, panel building and electrical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



T50ROSEC23 - the cable bundle runs parallel with the edge.



Reference for dimensions only



Material specification please see page 22.


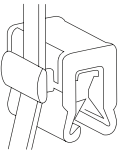
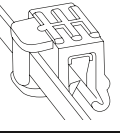
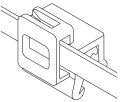
PART DESCRIPTION	Drawing	Width (W)	Length (L)	Bundle Ø max.	N	
T30LLEC5ART-PA66HS/PA66HIRHS-BK		3.5	290.0	80.0	135	
T30REC5A-PA66HS/PA66HIRHS-BK		3.6	148.0	33.0	135	
T40REC5A-PA66HS/PA66HIRHS-BK		4.0	17.5	45.0	180	
T50SOSEC5A-PA66HS/PA66HIRHS-BK		4.6	150.0	31.0	225	
T50ROSEC5A-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225	
T50ROSEC5A-W-PA66W-BK		4.6	200.0	45.0	225	
T50REC5A-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225	
T50REC5A-PA66UV/PA66HIRHSUV-BK		4.6	202.0	50.0	225	
Q50REC5A-PA66W-BK		4.7	210.0	45.0	220	
T50LEC5A-PA66HS/PA66HIRHS-BK		4.7	380.0	110.0	225	
T80IEC5A-PA66HS/PA66HIRHS-BK		5.0	300.0	85.0	355	
T30REC5B-PA66HS/PA66HIRHS-BK			3.6	150.0	32.0	135
T50SOSEC5B-PA66HS/PA66HIRHS-BK			4.6	150.0	31.0	225
T50REC5B-PA46/PA66HIRHS-GY/BK	4.6		200.0	45.0	225	
T50ROSEC5B-PA66HS/PA66HIRHS-BK	4.6		200.0	45.0	225	
T50REC5B-PA66HS/PA66HIRHS-BK	4.6		200.0	45.0	225	
Q50REC5B-PA66W-BK	4.7		210.0	45.0	220	

All dimensions in mm. Subject to technical changes.



2-Piece Fixing Ties for Edges, 1.0 - 3.0 mm, Side Fixing

EdgeClip-Family

PART DESCRIPTION	Drawing	Width (W)	Length (L)	Bundle Ø max.	
T18REC21-PA66W/PA66HIRHS-BK		2.5	100.0	18.0	80
T50SOSEC21-PA66HS/PA66HIRHS-BK		4.6	150.0	35.0	225
T50ROSEC21-PA46-GY		4.6	200.0	45.0	225
T50ROSEC21-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T50REC21-PA66HS/C75S-BK		4.6	202.0	45.0	225
T50REC21-PA66HS/PA66HIRHS-BK		4.6	202.0	45.0	225
T18REC22-PA66HS/PA66HIRHS-BK		2.5	100.0	20.0	80
T30REC22-PA66HS/PA66HIRHS-BK		3.5	150.0	36.0	135
T50ROSEC22-PA66HS/PA66HIRHS-BK		4.6	200.0	45.0	225
T50REC22-PA66W/PA66HIRHS-BK		4.6	200.0	45.0	225
T50ROSEC5B-W-PA66W-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
Polyamide 6.6 , UV resistant	PA66W	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 V2
Polyamide 6.6 , UV-stabilised	PA66UV	-40 °C to +85 °C	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6 , with metal particles	PA66MP	-40 °C to +85 °C, (+105 °C, 500 h)	Blue (BU)	UL 94 HB
Polyamide 6.6 , with metal particles	PA66MP+	-40 °C to +85 °C	Blue (BU)	not flame retardant
Polyamide 6.6 V0	PA66V0	-40 °C to +85 °C	White (WH)	UL 94 V0
Polyaryletherketone	PAEK	-55 °C to +200 °C	Beige (BGE)	UL 94 V0
Polyester	SP	-50 °C to +150 °C	Black (BK)	
Polyetheretherketone	PEEK	-55 °C to +240 °C	Beige (BGE)	UL 94 V0
Polyethylene	PE	-40 °C to +50 °C	Black (BK), Grey (GY)	UL 94 HB
Polyolefin	PO	-40 °C to +90 °C	Black (BK)	UL 94 V0
Polyphenylene Sulfide	PPS	-40 °C to +150 °C	Black (BK), Grey (GY)	UL 94 V0
Polypropylene, Ethylene Propylene Diene Terpolymer rubber free of Nitrosamine	PP, EPDM	-20 °C to +95 °C	Black (BK)	UL 94 HB
Polypropylene 20% Talkum	PPT20	-40 °C to +65 °C	Black (BK)	UL 94 HB
Polypropylene with metal particles	PPMP	-40 °C to +115 °C	Blue (BU)	UL 94 HB
Polypropylene with metal particles	PPMP+	-40 °C to +85 °C	Blue (BU)	not flame retardant
Polyvinylidene Fluoride	PVDFX	-50 °C to +150 °C	Natural (NA)	UL 94 V0
Polyvinylchloride	PVC	-10 °C to +70 °C	Black (BK), Natural (NA)	UL 94 V0
Stainless Steel	SS304, SS316	-80 °C to +538 °C	Natural (NA)	non-burning
Thermoplastic Polyurethane	TPU	-40 °C to +85 °C	Black (BK)	UL 94 HB

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 = Minimum Loop Tensile Strength for Cable Ties (Newton)

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