



1-piece fixing ties with fir tree, with disc, with stand-off, for round holes

With offset 12.5 and 25.0 mm

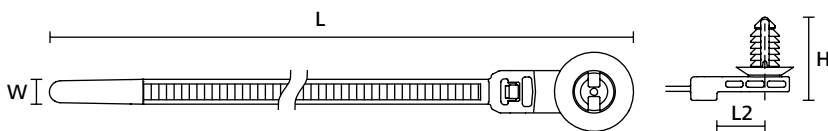
Features and benefits

- Bundling and fixing solution
- Ideal combination of materials and design
- Different positions of the fixing anchor are available to fit installation space

Material information on page 22.



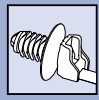
T50ROSFT6S25SO and T50ROSFT612.5SO.



TYPE	Drawing	Hole Ø (FH)	Panel Thickness	Width (W)	Length (L2)	Bundle Ø max.	N	Material	Colour	Article-No.
T50ROSFT6S25SO		6.1 - 6.9	0.6 - 3.75	5.1	25.0	50.0	225	PA66HIRHSUV	BK	157-00197
T50ROSFT612.5SO		6.1 - 6.9	0.6 - 6.0	5.1	12.5	50.0	222	PA66HIRHS	BK	157-00216
T50ROSFT625SO		6.1 - 6.9	0.6 - 8.25	5.1	25.0	50.0	222	PA66HIRHSUV	BK	157-00195
T50ROSFT812.5SO		7.6 - 8.4	0.6 - 5.0	5.1	12.5	50.0	225	PA66HIRHSUV	BK	157-00217
T50ROSFT825SO		7.6 - 8.4	0.6 - 6.0	5.1	25.0	50.0	225	PA66HIRHSUV	BK	157-00196
T50ROSFTM625SO		M6 x 1	5.0 - 5.0	5.1	25.0	50.0	225	PA66HIRHSUV	BK	157-00488
T50ROSFT6SO25A		6.1 - 6.9 6.35 (hexagonal)	0.6 - 6.65	5.1	25.0	50.0	225	PA46	BN	157-00158
T50ROSFT6SO12.5A		6.1 - 7.0 6.35 (hexagonal)	0.6 - 6.65	5.1	12.5	50.0	225	PA66HIRHS	GY	157-00130
		6.1 - 7.0 6.35 (hexagonal)	0.6 - 6.65	5.1	12.5	50.0	225	PA66HIRHSUV	BK	157-00145
T50ROSFT6SO25A		6.1 - 7.0 6.35 (hexagonal)	0.6 - 6.65	5.1	25.0	50.0	222	PA66HIRHSUV	BK	157-00150
		6.1 - 7.0 6.35 (hexagonal)	0.6 - 6.65	5.1	25.0	50.0	225	PA66HIRHS	GY	157-00119
T50ROSFT8SO25A		7.6 - 8.4	0.6 - 6.65	5.1	25.0	50.0	225	PA46	BN	157-00168
		7.6 - 8.4	0.6 - 6.65	5.1	25.0	50.0	225	PA66HIRHS	GY	157-00120
T50ROSFTM6SO12.5A		M6	0.6 - 5.5	4.7	12.5	50.0	222	PA66HIRHS	GY	157-00118
		M8	0.6 - 5.5	4.7	12.5	50.0	225	PA46	BN	157-00212

Recommended Tools: 1=MK10-SB, 2=MK20, 3=MK21, 4=MK3PNSP2, 5=EVO7i, 6=MK7P, 7=EVO9i, 9=EVO9iHT, 10=MK9P, 25=EVOcut. For more information on toolings please refer to the Application Tooling chapter on page 346.

All dimensions in mm. Subject to technical changes.



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TYPE	Drawing	Hole Ø (FH)	Panel Thickness	Width (W)	Length (L2)	Bundle Ø max.		Material	Colour	Article-No.
T50ROSFT6SO12.5B		6.1 - 7.0 6.1 - 6.6 (hexagonal)	0.6 - 6.65	4.7	12.5	50.0	225	PA66HIRHSUV	BK	157-00171
T50ROSFT6SO25B		6.1 - 7.0 6.1 - 6.6 (hexagonal)	0.6 - 6.65	5.1	25.0	50.0	225	PA46	BN	157-00186
		6.1 - 7.0 6.35 (hexagonal)	0.6 - 6.65	4.7	25.0	50.0	225	PA66HIRHSUV	BK	157-00169
T50ROSFTM6SO12.5B		M6	0.6 - 6.65	4.6	12.5	50.0	222	PA66HIRHSUV	BK	157-00131
T50ROSFT6SO12.5R		6.1 - 7.0 6.35 (hexagonal)	0.6 - 8.25	5.1	12.5	50.0	222	PA66HIRHSUV	BK	157-00165
T50ROSFT6SO25R		6.1 - 7.0 6.35 (hexagonal)	0.6 - 8.25	5.1	25.0	50.0	222	PA66HIRHSUV	BK	157-00164
T50ROSFT8SO12.5R		7.6 - 8.4	0.6 - 8.75	5.1	12.5	50.0	225	PA66HIRHSUV	BK	157-00215
T50ROSFT1025SO		9.6 - 10.4	0.6 - 6.0	11.3	25.0	50.0	225	PA66HIRHSUV	BK	157-00358
T50ROSM10SO12.5B		7.6 - 8.4 M10 x 1.5	0.6 - 6.0	5.1	12.5	50.0	225	PA66HIRHSUV	BK	157-00350

Recommended Tools: 1=MK10-5B, 2=MK20, 3=MK21, 4=MK3PNSP2, 5=EVO7i, 6=MK7P, 7=EVO9i, 9=EVO9iHT, 10=MK9P, 25=EVOcut. For more information on toolings please refer to the Application Tooling chapter on page 346.

All dimensions in mm. Subject to technical changes.

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"> Corrosion resistant Antimagnetic 	RoHS
Chloroprene Rubber	CR	-20 °C to +80 °C	Black (BK)		<ul style="list-style-type: none"> Weather resistant High yield strength 	RoHS
Ethylene Tetrafluoroethylene (Tefzel®)	E/TFE	-80 °C to +170 °C	Blue (BU)	UL 94 V0	<ul style="list-style-type: none"> Resistance to radioactivity UV resistant, not moisture sensitive Good chemical resistance to acids, bases, oxidizing agents 	RoHS
Polyacetal	POM	-40 °C to +90 °C, (+110 °C, 500 h)	Natural (NA)	UL 94 HB	<ul style="list-style-type: none"> Limited brittleness sensitivity Flexible at low temperature Not moisture sensitive Robust on impact 	RoHS
Polyamide 11	PA11	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Bio-plastic, derived from vegetable oil Strong impact resistance at low temperature Very low moisture absorption Weather resistant Good chemical resistance 	HF RoHS
Polyamide 12	PA12	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Good chemical resistance to acids, bases, oxidizing agents UV resistant 	HF RoHS
Polyamide 4.6	PA46	-40 °C to +130 °C, (+150 °C, 5000 h; +195 °C, 500 h)	Natural (NA), Grey (GY)	UL 94 V2	<ul style="list-style-type: none"> Resistance to high temperatures Very moisture sensitive Low smoke sensitivity 	HF LFH RoHS
Polyamide 6	PA6	-40 °C to +80 °C	Black (BK)	UL 94 V2	<ul style="list-style-type: none"> High yield strength 	RoHS
Polyamide 6, high impact modified	PA6HIR	-40 °C to +80 °C	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature 	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"> High yield strength 	HF RoHS
Polyamide 6.6, glass-fibre reinforced	PA66GF13	-40 °C to +105 °C	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Good resistance to lubricants, fuels, salt water and solvents 	HF RoHS
Polyamide 6.6, heat and UV-stabilised	PA66HSUV	-40 °C to +105 °C	Black (BK)	UL 94 V2	<ul style="list-style-type: none"> High yield strength Modified elevated maximum temperature UV resistant 	HF 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"> High yield strength Modified elevated maximum temperature 	HF 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"> Limited brittleness sensitivity Higher flexibility at low temperature 	RoHS
Polyamide 6.6, high impact modified, heat and UV-stabilised	PA66HIRHSUV	-40 °C to +110 °C	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature Modified elevated maximum temperature High yield strength, UV resistant 	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"> Limited brittleness sensitivity Higher flexibility at low temperature Modified elevated maximum temperature 	RoHS
Polyamide 6.6, high impact modified, scan black)	PA66HIR(S)	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature 	HF 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"> High yield strength UV resistant 	HF RoHS

MATERIAL	Material Shortcut	Operating Temperature	Colour**	Flammability	Material Properties*	Material Specifications
Polyamide 6.6 , with metal particles	PA66MP	-40 °C to +85 °C, (+105 °C, 500 h)	Blue (BU)	UL 94 HB	<ul style="list-style-type: none"> High yield strength Metal and X-Ray detectable 	HF RoHS
Polyamide 6.6 , with metal particles	PA66MP+	-40 °C to +85 °C	Blue (BU)	not flame-retardant	<ul style="list-style-type: none"> High yield strength Metal and X-Ray detectable 	HF RoHS
Polyamide 6.6 V0	PA66V0	-40 °C to +85 °C	White (WH)	UL 94 V0	<ul style="list-style-type: none"> High yield strength Low smoke emission 	HF LFH RoHS
Polyester	SP	-50 °C to +150 °C	Black (BK)		<ul style="list-style-type: none"> UV resistant Good chemical resistance to most acids, bases and oils 	HF LFH RoHS
Polyetheretherketone	PEEK	-55 °C to +240 °C	Beige (BGE)	UL 94 V2	<ul style="list-style-type: none"> Resistance to radioactivity Not moisture sensitive Good chemical resistance to acids, bases, oxidising agents 	HF LFH RoHS
Polyethylene	PE	-40 °C to +50 °C	Black (BK), Grey (GY)	UL 94 HB	<ul style="list-style-type: none"> Low moisture absorption Good chemical resistance to most acids, bases, alcohol, oils 	HF RoHS
Polyolefin	PO	-40 °C to +90 °C	Black (BK)	UL 94 V0	<ul style="list-style-type: none"> Low smoke emissions 	HF LFH RoHS
Polypropylene	PP	-40 °C to +115 °C	Black (BK), Natural (NA)	UL 94 HB	<ul style="list-style-type: none"> Floats in water Moderate yield strength Good chemical resistance to acids, bases and solvents 	HF RoHS
Polypropylene, Ethylene Propylene Diene Terpolymer rubber free of Nitrosamine	PP, EPDM	-20 °C to +95 °C	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> Good resistance to high temperature Good chemical and abrasion resistance 	HF RoHS
Polypropylene with metal particles	PPMP	-40 °C to +115 °C	Blue (BU)	UL 94 HB	<ul style="list-style-type: none"> Metal and X-Ray detectable Heat resistant Moderate yield strength Good chemical resistance 	RoHS
Polypropylene with metal particles	PPMP+	-40 °C to +85 °C	Blue (BU)	not flame-retardant	<ul style="list-style-type: none"> High yield strength Metal and X-Ray detectable 	HF RoHS
Polyvinylchloride	PVC	-10 °C to +70 °C	Black (BK), Natural (NA)	UL 94 V0	<ul style="list-style-type: none"> Low moisture absorption Good chemical resistance to acids, bases, salts, alcohol, oils 	RoHS
Stainless Steel, Stainless Steel	SS304, SS316	-80 °C to +538 °C	Natural (NA)	non-burning	<ul style="list-style-type: none"> Corrosion resistant Antimagnetic Weather resistant Chemical resistance SS316 also resistant against seawater, salt spray and anorganic acids 	HF LFH RoHS
Thermoplastic Polyurethane	TPU	-40 °C to +85 °C	Black (BK)	UL 94 HB	<ul style="list-style-type: none"> High elasticity Good chemical resistance to acids, bases and oxidising agents 	HF 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.

*These details are only guide values. They should not be regarded as an 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

**Further colours available on request.



= Minimum Loop Tensile Strength for Cable Ties (newton)

For more material information please visit our website.