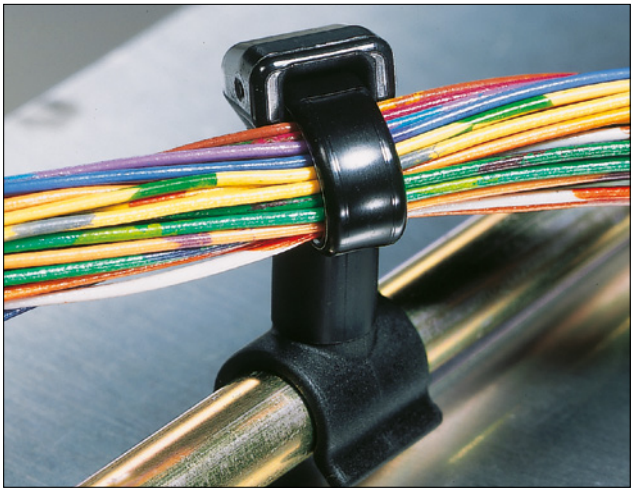
2-Piece Fixing Ties with Pipe Clip, twistable 360°

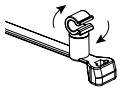
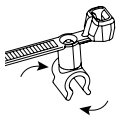
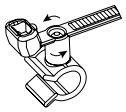
Features and Benefits

- Simply clip onto a wire or hose
- Fixing clip offers full 360° rotation
- Routed cable can move in any direction in relation to the fixing point
- Inside serrated cable tie
- Ideally used in the Automotive Industry

Material specification please see page 30.



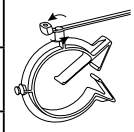
T50SVC5 rotates in any direction.

TYPE	Drawing	Width (W)	Length (L)	Bundle Ø max.	N	Attach to Ø	Material	Colour	Article-No.
T50SVC3.5		4.7	155.0	35.0	225	3.45 - 3.55	PA66HS, PA66HIRHS	BK	156-00791
T50SVC4S		4.7	155.0	35.0	225	3.8 - 4.2	PA66HS, PP	BK, NA	156-00318
T50SVC4		4.7	155.0	35.0	225	3.8 - 4.2	PA66HS, PA66HIRHS	BK	156-00447
T50SVC5		4.7	155.0	35.0	225	4.5 - 5.2	PA66HS	BK	155-31202
T50SVC65		4.7	155.0	35.0	225	6.5 - 8.0	PA66HS, PA66HIRHS	BK	156-00155

All dimensions in mm. Subject to technical changes.

2-Piece Fixing Ties with Pipe Clip, twistable 360°

Application tools please see page 442.

TYPE	Drawing	Width (W)	Length (L)	Bundle Ø max.	N	Attach to Ø	Material	Colour	Article-No.
T50SVCOC10-14		4.7	155.0	35.0	225	10.0 - 14.0	PA66HS, PA66HIRHS	BK	156-00134
T50SVCOC15-18		4.7	155.0	35.0	225	15.0 - 18.0	PA66HS, PA66HIRHS	BK	156-00135
T50SVCOC19-245		4.7	155.0	35.0	225	19.0 - 24.5	PA66HS, PA66HIRHS	BK	156-00136
T50SVCOC25-31		4.7	155.0	35.0	225	25.0 -31.0	PA66HS, PA66HIRHS	BK	156-00272
T50SVCOC31-39		4.7	155.0	35.0	225	31.0 - 39.0	PA66HS, PA66HIRHS	BK	156-00273
T50SVCOC39-45		4.7	155.0	35.0	225	39.0 - 45.0	PA66HS, PA66HIRHS	BK	156-00137
T50SMVCOC1014		4.7	210.0	50.0	225	10.0 - 14.0	PA66HS, PA66HIRHS	BK	156-00128
T50SMVCOC15-18		4.7	210.0	50.0	222	15.0 - 18.0	PA66HS, PA66HIRHS	BK	156-00129
T50SMVCOC19245		4.7	210.0	50.0	225	19.0 - 24.5	PA66HS, PA66HIRHS	BK	156-00130
		4.7	210.0	50.0	225	19.0 - 24.5	PA46	GY	156-00577
T50SMVCOC25-31		4.7	210.0	50.0	225	25.0 - 31.0	PA66HS, PA66HIRHS	BK	156-00303
T50SMVCOC31-39		4.7	210.0	50.0	225	31.0 - 39.0	PA66HS, PA66HIRHS	BK	156-00304
T50SMVCOC39-45SET		4.7	210.0	50.0	225	39.0 - 45.0	PA66HS, PA66HIRHS	BK	156-00131

All dimensions in mm. Subject to technical changes.

Date of issue: January 2014

Material Specification Overview

Material	Shortcut	Operating Temperature	Colour**	Flammability	Material Properties*	
Aluminium-alloy	AL	-40 °C to +180 °C	Natural (NA)		• Corrosion resistant • Antimagnetic	RoHS
Chloroprene	CR	-20 °C to +80 °C	Black (BK)		• Weather-resistant • High yield strength	RoHS
Ethylenterafluori-neethylen	E/TFE	-80 °C to +170 °C	Blue (BU)	UL94 V0	• Resistance to radioactivity • UV- resistant, not moisture sentitive • Good chemical resistance to: • acids, bases, oxidizing agents	RoHS
Polyacetal	POM	-40 °C to +90 °C, (+110 °C, 500 h)	Natural (NA)	UL94 HB	• Limited brittleness sensitivity • Flexible at low temperature • Not moisture sensitive • Robust on impacts	RoHS
Polyamide 11	PA11	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	• Bio-plastic, derived from vegetable oil • Strong impact resistance at low temperature • Very low moisture absorption • Weather-resistant • Good chemical resistance	RoHS HF
Polyamide 12	PA12	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	• Good chemical resistance to: • acids, bases, oxidizing agents • UV- resistant	RoHS HF
Polyamide 4.6	PA46	-40 °C to +150 °C (5000 h), +195 °C (500 h)	Natural (NA), Grey (GY)	UL94 V2	• Resistance to high temperatures • Very moisture sensitive • Low smoke sensitive	RoHS HF LFH
Polyamide 6	PA6	-40 °C to +80 °C	Black (BK)	UL94 V2	• High yield strength	RoHS
Polyamide 6.6	PA66	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK), Natural (NA)	UL94 V2	• High yield strength	RoHS HF
Polyamide 6.6, Glassfibre reinforced	PA66GF13, PA66GF15	-40 °C to +105 °C	Black (BK)	UL94 HB	• Good resistance to: lubricants, vehicle fuel, salt water and many solvents	RoHS HF
Polyamide 6.6 heat and UV sta-bilised	PA66HSW	-40 °C to +105 °C	Black (BK)	UL94 V2	• High yield strength • Modified elevated max. temperature • UV-resistant	RoHS HF
Polyamide 6.6 Heat Stabilised	PA66HS	-40 °C to +105 °C	Black (BK), Natural (NA)	UL94 V2	• High yield strength • Modified elevated max. temperature	RoHS HF
Polyamide 6.6 High Imp. Mod., Heat Stab.	PA66HIRHS	-40 °C to +105 °C	Black (BK)	UL94 HB	• Limited brittleness sensitivity • Higher flexibility at low temperature • Modified elevated max. temperature	RoHS
Polyamide 6.6 High Imp. Mod. scan black	PA66HIR(S)	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	• Limited brittleness sensitivity • Higher flexibility at low temperature	RoHS HF
Polyamide 6.6 High Impact Mo-dified	PA66HIR	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL94 HB	• Limited brittleness sensitivity • Higher flexibility at low temperature	RoHS
Polyamide 6.6 high impact modified, heat and UV stabilised	PA66-HIRHSW	-40 °C to +110 °C	Black (BK)	UL94 HB	• Limited brittleness sensitivity • Higher flexibility at low temperature • Modified elevated max. temperature • High yield strength, UV-resistant	RoHS HF

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

*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.

**More colours on request.

N = Minimum Tensile Strength

Date of issue: January 2014

Material Specification Overview

Material	Shortcut	Operating Temperature	Colour**	Flammability	Material Properties*	
Polyamide 6.6 UV Resistant	PA66W	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL94 V2	• High yield strength • UV-resistant	RoHS HF
Polyamide 6.6 V0	PA66V0	-40 °C to +85 °C	White (WH)	UL94 V0	• High yield strength • Low smoke emission	RoHS HF LFH
Polyamide 6.6 V0 High Oxygen Index	PA66V0-HOI	-40 °C to +85 °C, (+105 °C, 500 h)	White (WH)	UL94 V0	• High yield strength • Low smoke emissions	RoHS HF LFH
Polyamide 6.6 with metal particles	PA66MP	-40 °C to +85 °C, (+105 °C, 500 h)	Blue (BU)	UL94 HB	• High yield strength	RoHS HF
Polyamide 6 high impact modified	PA6HIR	-40 °C to +80 °C	Black (BK)	UL94 HB	• Limited brittleness sensitivity • Higher flexibility at low temperature	RoHS
Polyester	SP	-50 °C to +150 °C	Black (BK)		• UV-resistant • Good chemical resistance to: most acids, alkalis and oils	RoHS HF LFH
Polyetheretherketone	PEEK	-55 °C to +240 °C	Beige (BGE)	UL94 V0	• Resistance to radioactivity • Not moisture sensitive • Good chemical resistance to: acids, bases, oxidizing agents	RoHS HF LFH
Polyethylene	PE	-40 °C to +50 °C	Black (BK), Grey (GY)	UL94 HB	• Low moisture absorption • Good chemical resistance to: most acids, alcohol and oils	RoHS HF
Polyolefin	PO	-40 °C to +90 °C	Black (BK)	UL94 V0	• Low smoke emissions	RoHS HF LFH
Polypropylene	PP	-40 °C to +115 °C	Black (BK), Natural (NA)	UL94 HB	• Floats in water • Moderate yield strength • Good chemical resistance to: organic acids	RoHS HF
Polypropylene, Ethylene-Propylene-Dien-Terpolymere-rubber free of Nitrosamine	PP, EPDM	-20 °C to +95 °C	Black (BK)	UL94 HB	• Good resistance to high temperatures • Good chemical and abrasion resistance	RoHS HF
Polyvinylchloride	PVC	-10 °C to +70 °C	Black (BK), Natural (NA)	UL94 V0	• Low moisture absorption • Good chemical resistance to: acids, ethanol, oil	RoHS
Stainless Steel	SS304, SS316	-80 °C to +538 °C	Natural (NA)		• Corrosion resistant • Antimagnetic	RoHS HF LFH
Thermoplastic Polyurethane	TPU	-40 °C to +85 °C	Black (BK)	UL94 HB	• High elastic • Good chemical resistance to: • acids, bases, oxidizing agents	RoHS HF

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