



Cable Ties and Fixings

Cable Ties With Fixing Elements

1-Piece Fixing Ties with Arrowhead, with Disc

1-Piece Fixing Ties with Arrowhead, with Disc, for Round Holes

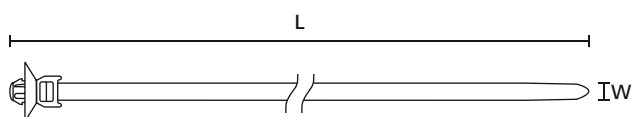
With a diverse range of fixing possibilities these ties are ideal for use in many different industries, including automotive, aerospace, white goods manufacture and panel building. This fastening solution is used to secure cable harnesses. We offer a variety of panel thicknesses and hole sizes to suit all kinds of application.

Features and benefits

- Easy to install without the need for a tool
- Arrowhead simply locks into place
- Disc adjusts tie for pressures from various directions and minimises ingress of dust and dirt
- Cable tie head always situated in a defined position
- KSFT-types with specially rounded arrowhead minimise the assembly height



The disc at the head of the T50SOSST6.5E protects the bore against dirt and splashes.



T50SOSKSFT6.5S2-E



Material specification
please see page 22.

PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness	Width (W)	Length (L)	Bundle Ø max.	N	Disc Ø
T50SOSST6.5E-MS-PA66HS-NA		6.25 - 6.75	1.9 - 2.2	4.6	163.0	35.0	180	16.0
T30SOS-AS-SFT6.5E-PA66-BK		6.3 - 6.7	0.8 - 1.5	3.5	126.4	25.0	200	16.0
T50SOSST6.5E-PA66HS-BK		6.3 - 6.7	1.9 - 2.5	4.6	158.8	30.0	225	16.0
T30SOS-AS-SFT6.5-E-PA66HS-BK		6.5 - 7.0	0.8 - 1.5	3.5	126.4	25.0	200	16.0
T50SOSAH7S-E-PA66HS-BK		6.8 - 7.2	0.6 - 3.2	4.6	161.6	35.0	180	16.0
T50SOSKSFT6.5E-PA66HS-BK		6.3 - 6.7	0.7 - 1.3	4.6	156.0	35.0	180	16.0
T50SOSKSFT6.5S2-E-PA66HS-BK		6.3 - 6.7	1.7 - 2.3	4.6	157.5	35.0	225	16.0
T50SOSKSFT6.5PT2.4-3.0-PA66HS-BK		6.3 - 6.7	2.4 - 3.0	4.6	158.3	35.0	225	16.0
OS180AH7S-LH-E-PA66HS-BK		6.8 - 7.2	0.6 - 3.2	5.3	178.4	30.0	180	-
T50ROSAH6U-PA66HIRHS-NA		6.1 - 6.9	1.8 - 3.0	5.0	215.9	50.0	225	16.0
T50SD6-PA66HS-BK		6.3 - 7.5	0.6 - 1.8	5.0	160.0	31.0	200	18.0
T50MD7-PA66HS-BK		6.8 - 7.2	1.2 - 2.0	5.0	225.0	59.0	225	16.0
T50SOSKSFT5SE-PA66HS-BK		4.8 - 5.2	0.7 - 1.3	4.6	156.0	35.0	180	16.0
T50SOSKSFT5M-E-PA66HS-BK		4.8 - 5.2	1.7 - 2.3	4.6	157.0	35.0	180	16.0
T50SOSKSFT5.4E-PA66HS-BK		5.2 - 5.6	0.7 - 1.3	4.6	156.0	35.0	225	16.0
T50SST5-PA46-NA		6.1 - 6.5	0.7 - 1.5	4.6	170.0	31.0	225	16.2
T50SST5-PA66-NA		6.1 - 6.5	0.7 - 1.5	4.6	170.0	31.0	225	16.2
T50SST5-PA66-BK		6.1 - 6.5	0.7 - 1.5	4.6	170.0	31.0	225	16.2
T50SST5-PA66HIRHS-BK		6.1 - 6.5	0.7 - 1.5	4.6	170.0	31.0	225	16.2

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