



Cable Ties and Fixings

Cable Ties With Fixing Elements

1-Piece Fixing Tie with Arrowhead, with Disc

1-Piece Fixing Tie with Arrowhead, with Disc, for Oval Holes

With a diverse range of fixing possibilities are ideal for use in many different industries, including automotive, aerospace and panel building.

Features and benefits

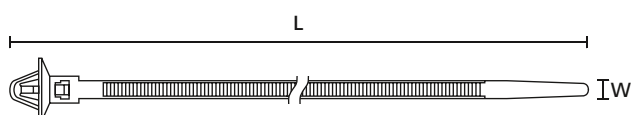
- Easy to install without the need for a tool
- Arrowhead simply locks into place
- Disc adjusts tie for pressures from various directions and minimises access of dust and dirt
- Cable tie head always situated in a defined position
- Versions for oval holes feature anti-twist protection



One Piece Fixing Tie T50SOSKSFT62x122PT1.7-2.3 for oval holes.



Material specification
please see page 22.



Reference for dimensions only

PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness	Width (W)	Length (L)	N	Disc Ø
OS130-SPM712-PA66HSW-BK		7.0 x 12.0	0.6 - 1.0	5.0	130.0	150	16.0 x 21.0
OS170-PM712-PA66HSW-BK		7.0 x 12.0	0.6 - 1.6	5.0	170.0	150	16.0 x 21.0
OS170AH712-PA66HS-BK		7.0 x 12.0	0.6 - 3.2	5.5	169.3	150	16.0
OS180AH712S-E-PA66HS-BK		7.0 x 12.0	0.7 - 3.2	5.1	179.0	225	21.2
T60SOSST62x122-E-PA66HS-BK		6.2 - 12.2	2.4 - 3.3	5.5	157.5	300	16.0 x 22.0
T60XSOSST62x122-E-PA66HS-BK		6.2 x 12.2	2.0 - 3.0	5.5	133.6	300	16.0 x 22.0
T60SOSST65x130-E-PA66HS-NA		6.5 x 13.0	2.4 - 3.3	5.5	157.6	300	16.0 x 22.0
OS180SFT712-E-PA66HS-BK		7.0 x 12.0	0.6 - 2.0	5.1	182.0	225	16.3
T50SDOP-PA66HS-BK		6.2 - 12.2	1.0 - 1.9	5.0	160.0	225	22.0
T50SDOR-PA66HS-BK		6.2 x 12.2	0.5 - 2.5	5.0	160.0	225	16.0 x 22.0
T50SOSKSFT62x122PT0.7-1.3 90°-PA66HS-BK		6.2 x 12.2	0.7 - 1.3	4.6	158.0	225	16.0 x 21.0
T50SOSKSFT62x122PT1.7-2.3 90°-PA66HS-BK		6.2 x 12.2	1.7 - 2.3	4.6	159.0	225	16.0 x 21.0
T50SOSKSFT62x122PT0.7-1.3-PA66HS-BK		6.2 x 12.2	0.7 - 1.3	4.6	157.8	225	16.0 x 21.0
T50SOSKSFT62x122PT1.7-2.3-PA66HS-BK		6.2 x 12.2	1.7 - 2.3	4.6	159.0	225	16.0 x 21.0
T50SOSAH 7X12-PA66HS-BK		-	0.6 - 2.6	5.1	175.2	225	16.0 x 21.0
T60XSOSST712S-E-PA66HS-BK		7.0 x 12.0	0.6 - 3.2	5.5	120.0	300	16.0 x 22.0
T60SOSST712S-E-PA66HS-BK		7.0 x 12.0	0.6 - 3.2	5.5	158.0	300	16.0 x 22.0

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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*Further colours available on request.



= 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