



Cable Ties and Fixings

Cable Ties With Fixing Elements

1-Piece Fixing Ties with Arrowhead, with Wings

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

For bundling and fixing of cable harnesses, pipes and hoses in many different industries, including automotive, aerospace, white goods manufacturing and panel building.

Features and benefits

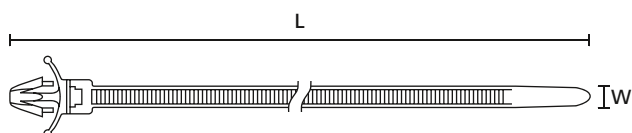
- Easy to assemble without the need for a tool
- Cable tie head always situated in defined position
- Arrowhead simply locks into place
- Supporting legs provide a secure and firm fixing in areas where space is limited



A wide range of arrowhead fixing ties which are suitable for different panel thicknesses and hole diameters.



Material specification
please see page 22.



T50SSL5

PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness	Width (W)	Length (L)	Bundle Ø max.	N
T18RSF-PA66HS-NA		4.6 - 4.8	0.8 - 3.0	2.5	100.0	16.0	80
T18RSF-PA66UV-BK		4.6 - 4.8	0.8 - 3.0	2.5	100.0	16.0	80
T18RSF-PA46-NA		4.6 - 4.8	1.0 - 3.0	2.5	100.0	16.0	80
T50VSL5-PA66-NA		6.1 - 6.3	1.0 - 2.6	4.6	100.0	16.0	225
T50SSF-PA12-BK		6.0 - 6.6	0.7 - 3.0	4.6	160.0	35.0	225
T50SSF-PA66-NA		6.0 - 6.6	0.7 - 3.0	4.6	160.0	35.0	225
T50SSF-PA66HIRHS-BK		6.0 - 6.6	0.7 - 3.0	4.6	160.0	35.0	225
T50RSFM-PA66HS-BK		6.0 - 6.6	0.7 - 3.0	4.6	205.0	45.0	225
T50SSL5-PA66HS-BK		6.1 - 6.5	0.5 - 2.7	4.6	135.0	27.0	200
T50SSL5-PA46-GY		6.1 - 6.5	0.5 - 2.7	4.6	135.0	27.0	225
T50SL5-PA66HS-BK		6.1 - 6.5	0.8 - 2.5	4.7	165.0	34.0	222
T50SL5-PA66HIRHS-BK		6.1 - 6.5	0.8 - 2.7	4.6	163.0	34.0	222
T50RSFM-PA66-NA		6.0 - 6.6	0.7 - 3.0	4.6	205.0	45.0	225
T50SSF-PA66W-BK		6.0 - 7.5	0.7 - 2.6	4.8	130.0	26.0	223
T50RWPM6-E-HEX-PA66HS-BK		6.1 - 6.6 (hexagonal)	0.7 - 3.0	4.6	205.0	45.0	225
OS130-PA66W-BK		6.8 - 7.2	0.6 - 2.6	5.0	130.0	20.0	147
OS190-PA46-NA		6.8 - 7.2	0.6 - 2.6	5.0	190.0	40.0	147
OS190-PA66W-BK		6.8 - 7.2	0.6 - 2.6	5.0	190.0	40.0	147

All dimensions in mm. Subject to technical changes.



1-Piece Fixing Ties with Arrowhead, with Wings

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

PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness	Width (W)	Length (L)	Bundle Ø max.	N
T50SAH-PA66HS-NA		6.0 - 6.6	0.7 - 3.0	4.6	160.0	25.0	225
T18RWPM-PA66HS-BK		4.8 - 5.6	1.5 - 3.2	2.5	113.0	22.0	80
T50SL6-PA66HS-BK		6.3 - 7.5	0.5 - 2.5	4.6	165.0	34.0	225
T8RWPM3.5-PA66V0-WH		3.4 - 3.6	0.4 - 1.6	1.7	81.0	15.0	36
OS150WPM5-PA66-BK		4.7 - 5.0	0.7 - 2.5	4.7	150.5	35.0	200
OS150WPM7-PA66-BK		6.3 - 7.1	0.7 - 3.2	4.6	150.6	35.0	-
T50XSFM-PA66HS-BK		6.35 (hexagonal), 6.0 - 6.6	0.7 - 3.0	4.6	143.0	27.0	225
T50RWPM7.0-PA66HS-BK		6.8 - 7.2	0.7 - 3.0	4.6	200.0	45.0	225
T50SWPM7.0-PA66HS-BK		6.8 - 7.2	0.7 - 3.0	4.6	140.0	27.0	225
T50SWPM4.7PT0.7-1.6-PA66HS-BK		4.6 - 4.8	0.7 - 1.6	4.8	155.0	35.0	225
T50SWPM4.7-PA66-BK		4.6 - 4.8	3.2 - 4.0	4.8	155.0	35.0	225
OS220-PM9-PA66HSW-BK		9.0 - 9.2	2.0 - 5.5	5.0	220.0	45.0	250
OS230-PM9-PA66HSW-BK		9.0 - 9.2	7.0 - 14.0	5.0	229.0	45.0	250
T50SL7-PA46-NA		6.9 - 7.1	0.8 - 2.5	4.6	163.0	34.0	225
T50SL7-PA66HS-BK		6.9 - 7.1	0.8 - 2.5	4.6	165.0	34.0	225
YQR10050-PA66-BN		6.9 - 7.1	1.6 - 4.0	4.6	165.0	34.0	225
T50SL8-PA66-BK		8.0	0.8 - 1.5	4.6	165.0	35.0	225
T50SL8-PA46-NA		8.0	0.8 - 1.5	4.6	165.0	35.0	-

All dimensions in mm. Subject to technical changes.

2-Piece Fixing Ties with Arrowhead, with Wings

2-Piece Fixing Ties with Arrowhead, with Wings and Pipe Clip, 90° rotatable

Features and benefits

- Pre-assembled 2-piece fixing tie with fir tree foot part
- Easy to assemble without the need for a tool
- Fir tree foot part can be used for a variety of panel thicknesses
- For maintenance needs cables can be replaced easily

PART DESCRIPTION	Drawing	Panel Thickness	Width (W)	Length (L)	Bundle Ø max.	N
T50SWPM7.0OC15-18CBTO-SD-PA66HS/PA66HIRHS-BK		0.7 - 3.0	4.6	140.0	27.0	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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*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