

Cable Ties for temperatures up to +105 °C (heat stabilised)

T-Series in PA66HS natural and black

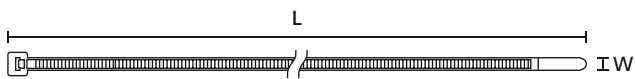
These inside serrated cable ties are made from heat stabilised Polyamide 6.6 (PA66HS). They can be applied in environments with continuous temperatures up to +105 °C. T-Series cable ties can be easily installed by hand or using an application tool to ensure consistency of installation.

Features and benefits

- Heat stabilised cable ties (PA66HS) for temperatures up to +105 °C
- Available in a wide range of sizes to cover almost every application
- Inside serration provides a strong hold onto bundles
- Manual and/or pneumatic tools available for greater process reliability
- Commonly offered in natural and black, other colours available on request



Heat stabilised T-Series cable ties up to +105 °C.



T-Series

PART DESCRIPTION	Width (W)	Length (L)	Bundle Ø max.	N
T18R-PA66HS-BK	2.5	100.0	22.0	80
T18R-PA66HS-NA	2.5	100.0	22.0	80
T18I-PA66HS-BK	2.5	145.0	35.0	80
T18I-PA66HS-NA	2.5	145.0	35.0	80
T18L-PA66HS-BK	2.5	205.0	55.0	80
T18L-PA66HS-NA	2.5	205.0	55.0	80
T30R-PA66HS-NA	3.5	150.0	35.0	135
T30R-PA66HS-BK	3.5	150.0	35.0	135
T30L-PA66HS-BK	3.5	198.0	50.0	135
T30L-PA66HS-NA	3.5	198.0	50.0	135
T30LL-PA66HS-BK	3.5	290.0	80.0	135
T30LL-PA66HS-NA	3.5	290.0	80.0	135
T40R-PA66HS-BK	4.0	175.0	40.0	180
T40R-PA66HS-NA	4.0	175.0	40.0	180
T50S-PA66HS-NA	4.6	150.0	35.0	225
T50S-PA66HS-BK	4.6	150.0	35.0	225
T50R-PA66HS-BK	4.6	200.0	50.0	225
T50R-PA66HS-NA	4.6	200.0	50.0	225
T50R-PA66HSW-BK	4.6	200.0	50.0	225
T50M-PA66HS-BK	4.6	245.0	65.0	225
T50I-PA66HS-BK	4.6	300.0	85.0	225
T50I-PA66HS-NA	4.6	300.0	85.0	225
T50L-PA66HS-BK	4.6	390.0	110.0	225
T50L-PA66HS-NA	4.6	390.0	110.0	225
T50L-PA66HS-BK	4.6	390.0	110.0	225
T80R-PA66HS-BK	4.7	210.0	55.0	355
T80R-PA66HS-NA	4.7	210.0	55.0	355
T80I-PA66HS-BK	4.7	300.0	85.0	355

All dimensions in mm. Subject to technical changes.





Cable Ties and Fixings

Cable Ties Inside Serrated

**Cable Ties for temperatures up to +105 °C
(heat stabilised)**

T-Series in PA66HS natural and black



T-Series

PART DESCRIPTION	Width (W)	Length (L)	Bundle Ø max.	N
T80I-PA66HS-NA	4.7	300.0	85.0	355
T80L-PA66HS-BK	4.7	390.0	110.0	355
T80L-PA66HS-NA	4.7	390.0	110.0	355
T120S-PA66HS-BK	7.6	225.0	55.0	535
T120S-PA66HS-NA	7.6	225.0	55.0	535
T120I-PA66HS-BK	7.6	300.0	80.0	535
T120I-PA66HS-NA	7.6	300.0	80.0	535
T150R(H)-PA66HS-BK	7.6	365.0	100.0	670
T150R(H)-PA66HS-NA	7.6	365.0	100.0	670
T120R(E)-PA66HS-BK	7.6	387.0	100.0	535
T120R-PA66HS-NA	7.6	387.0	100.0	535
T120R(E)-PA66HS-NA	7.6	387.0	100.0	535
T120R-PA66HS-BK	7.6	387.0	100.0	535
T120M-PA66HS-BK	7.6	460.0	125.0	535
T120XM-PA66HS-BK	7.6	600.0	175.0	535
T120XM-PA66HS-NA	7.6	600.0	175.0	535
T120L-PA66HS-NA	7.6	760.0	225.0	535
T120L-PA66HS-BK	7.6	760.0	225.0	535
T150L-PA66HS-BK	8.8	820.0	245.0	780
T150L-PA66HSUV-BK	8.8	820.0	245.0	780
T150M-PA66HS-BK	8.9	530.0	150.0	780
T150XL-PA66HS-BK	8.9	1,095.0	330.2	780
T250R-PA66HS-BK	12.5	520.0	145.0	1,115
T250R-PA66HS-NA	12.5	520.0	145.0	1,115

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