

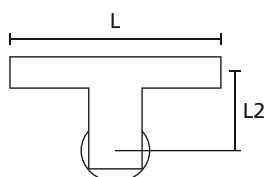


Bundling Clips with Fir Tree for Distance Routing

Originally designed for the automotive industry, these clips offer simple and easy methods of securing cables, hoses or pipes.

Features and benefits

- Easy to install without the need for a tool
- One fir tree foot part can be used for a variety of panel thicknesses
- Suitable for use within threaded holes
- Disc covers the hole to prevent dirt and dust gaining access
- Bundle runs in a set distance to the hole



Reference for dimensions only



COW Clip used as tape-on clip.

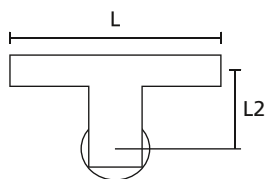
PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness	Length (L)	Length (L2)
COW20DP7-PA66HS-BN		6.3 - 7.0	0.8 - 4.5	42.0	20.0
COW30DP7-PA66-BK		6.3 - 7.0, 6.1 - 6.6 (hexagonal)	0.8 - 4.5	42.0	30.0
SOC4 M.FT6-PA66HIRHS-BK		6.5 - 7.0	0.7 - 5.1	55.0	20.32
SOC5FT6S-PA66HIRHS-BK		6.5 - 7.0	0.8 - 2.5	55.0	13.0
SOC5FT6LG-PA66HIRHS-BK		6.5 - 7.0, 6.1 - 6.6 (hexagonal)	0.7 - 5.1	55.0	13.0
SOC6-PA66HIRHS-BK		6.3 - 7.0, 6.1 - 6.6 (hexagonal)	0.8 - 3.5	55.0	22.0
SOC3-FT6-LG.-PA66HIRHS-BK		6.4 - 7.1	0.8 - 6.0	12.0	30.0
SOC7FT6-PA66HIRHSUV-BK		6.4 - 7.1	0.7 - 5.8	56.0	42.5
SOC8FT6LG-PA66HIRHS-BK		6.5 - 7.0	0.7 - 5.1	40.0	30.0

All dimensions in mm. Subject to technical changes.





Bundling Clips with Fir Tree for Distance Routing



Reference for dimensions only

PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness	Length (L)	Length (L2)
BC13FT6.35-PA66HIRHS-BK		6.35	1.1 - 5.0	40.0	22.0
CH20FT6-PA66HIRHS-BK		6.5 - 7.0	0.8 - 2.5	50.0	20.0
SOC20FT5-PA66HIRHS-BK		M6, 5.0 - 5.7	1.3 - 4.5	45.0	20.0
SOC10405-PA66HIRHS-BK		6.3 - 6.7	0.7 - 3.5	55.0	20.0
SOC10FT6LG-PA66HIRHS-NA		6.1 - 6.9, 6.35 (hexagonal)	0.6 - 5.8	58.0	43.4
SOC13FT6LGL-PA66HIRHS-GY		6.1 - 6.9, 6.35 (hexagonal)	0.6 - 5.8	43.2	43.2
SOC13FT6LGR-PA66HIRHSUV-BK		6.1 - 6.9	0.5 - 5.8	43.2	-
SOC8FT6-PA66HIRHS-NA		6.2 - 6.8	0.7 - 5.8	61.0	42.5
SOC9FT6XLG-PA66HIRHS-NA		6.1 - 6.9	0.6 - 12.3	35.5	15.75
SOC9FT6-PA66HIRHSUV-NA		6.1 - 6.9	0.5 - 6.1	35.5	15.75
SOCHFT6-PA66HIRHSUV-BK		6.35 - 7.0	0.8 - 5.6	56.0	42.5

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