Polyamide 6.6 cable ties - Multi-coloured - UV-resistant
Premium cable ties with steel locking barb

- Multi-coloured TY25M cable ties in a single, convenient package
- Supplied in bags of 100 ties containing ten ties of each of the ten standard colours (TY25M-0 to TY25M-9)
- Ideal for outdoor applications which require a colour coding or which have an aesthetic sensitivity (to match the colour of the cable or of the support), especially in cable bundling in telecom, datacom, cable and satellite TV
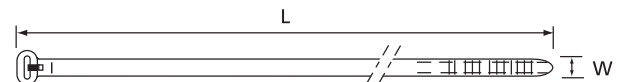
Technical Information

Material - Moulding	Polyamide 6.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to + 85°C
Colour	Black, brown, red, orange, yellow, green, blue, purple, grey, white (10 ties of each colour)
Flammability rating	UL 94 V-2
Other properties	UV-resistant, Halogen free, Silicone free

E49405

Product Ref.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter [mm]	Minimum tensile from ... to [N]	Quantity strength [pieces]	Tooling
TY525M-CLRS	186	4.8	1.3	3.5 - 45	220	100	ERG50, ERG120, WT193A

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Printed cable ties
Premium cable ties with steel locking barb

Thomas & Betts extends its highly respected existing capabilities in cable tie manufacture with its in-house printing equipment in order to respond flexibly to customer requirements and to allow rapid delivery. This service is offered for ties having a width of minimum 4.6 mm (batches of minimum 5,000 ties approximately)

According to the requirements, following printing processes are proposed:

Hot foil transfer
- The print is highly durable
- The basic character set is in accordance with DIN1451 - (3 mm character height)
- Text colours: Red, Orange, Yellow, Bright-Yellow, Green, Blue, Brown, Dark-Brown, Black, White
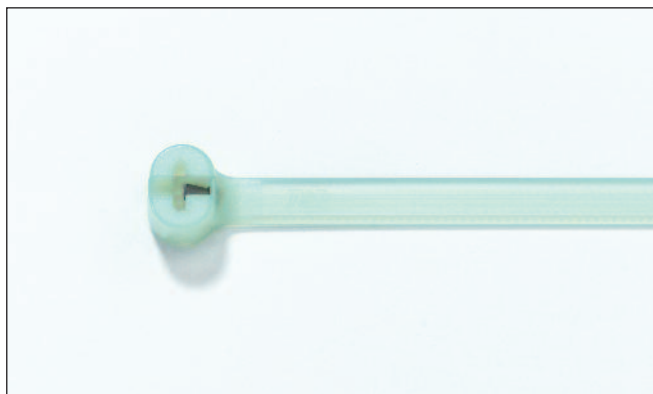
Inkjet
- The print is highly durable
- The standard printing colour is black
- The print is wear and weather resistant
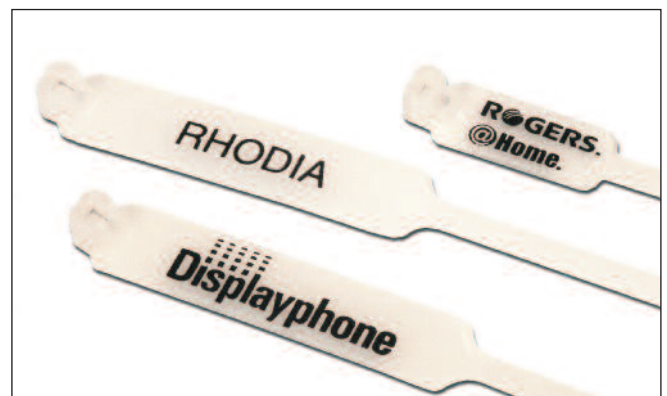
Please contact your Sales Office for other character sets and special stamping designs.

Thomas&Betts

Polyamide 6.6 cable ties - Heat stabilised
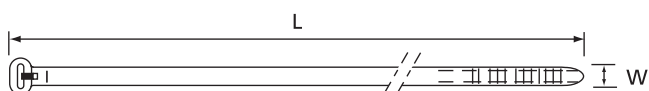*Premium cable ties with steel locking barb*

• Heat stabilised version, for applications up to 105°C.

Technical Information

Material - Moulding	Polyamide 6.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +105°C
Colour	Natural (may have a greenish tint)
Flammability rating	UL 94 V-2
Other properties	Halogen free, Silicone free

E49405

Product Ref.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
TYH23M / TYHB23M	92	2.4	1.0	2 - 16	80	1000	ERG50 WT193A
TYH232M	203	2.4	1.0	2 - 50	80	1000	
TYH24M	140	3.6	1.1	2 - 29	130	1000	
TYH242M*	208	3.6	1.1	2 - 50	130	1000	
TYH26M	284	3.6	1.1	2 - 76	130	1000	
TYH25M	186	4.8	1.1	3.5 - 45	220	1000	ERG50 ERG120 WT193A
TYH253M*	290	4.8	1.1	3.5 - 78	220	1000	
TYH28M	360	4.8	1.1	3.5 - 102	220	1000	
TYH272M*	222	7.6	1.6	6 - 50	540	500	ERG120 L-500-EU
TYH27M	340	7.0	1.6	6 - 90	540	500	
TYH29M*	771	6.9	1.5	6 - 229	530	500	

* Not UL recognised

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Polyamide 6.6 cable ties - Heat stabilised + UV-resistant
## *Premium cable ties with steel locking barb*

- Heat stabilised + UV-resistant version, for outdoor applications that also require a resistance to high temperature (+105°C)
- For OEM and MRO applications like: transportation, lawn (garden / farm), construction equipment, recreational vehicles

Technical Information

Material - Moulding	Polyamide 6.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +105°C
Colour	Black
Flammability rating	UL 94 V-2
Other properties	UV-resistant, heat stabilised, Halogen free, Silicone free
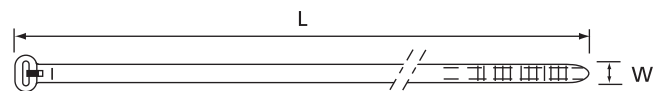
E49405

Product Ref.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
TY23MX-A	92	2.3	0.9	2 - 16	80	1000	ERG50, ERG120* WT193A
TY24MX-A	140	3.6	1.1	2 - 29	180	1000	
TY25MX-A	186	4.8	1.2	3.5 - 45	220	1000	
TY27MX-A	340	6.9	1.6	6 - 89	540	500	ERG120, L-500-EU

* ERG120 can not be used with TY23MX-A and TY24MX-A

# Polyamide 4.6 cable ties - Extra high temperature
Premium cable ties with steel locking barb

- Extreme continuous temperature rating: -40°C to +150°C (in air)
- For high temperature environments in industrial, OEM, MRO and commercial construction applications such as: metal processing, paper mills, lighting, automotive

Technical Information

Material - Moulding	Polyamide 4.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +150°C
Colour	Light green
Flammability rating	UL 94 V-2
Other properties	Extra high temperature resistant, Halogen free, Silicon free
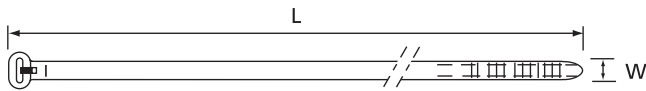
Product Ref.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
TYHT23M	92	2.3	0.9	2 - 16	80	1000	ERG120*, ERG50 WT193A
TYHT25M	186	4.8	1.2	3.5 - 45	220	1000	
TYHT28M	360	4.8	1.3	3.5 - 102	220	1000	
TYHT27M	340	6.9	1.6	6 - 89	540	500	ERG120, L-500-EU
TYHT277M	617	7.0	1.6	6 - 177	540	500	

* ERG120 can not be used with TYHT23M

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Detectable cable ties
Premium cable ties with steel locking barb

The Ty-Rap® Detectable Cable Ties from Thomas & Betts incor-porate a unique compound (patent pending) that can be detected by X-Ray equipment, metal detectors and visual inspection equipment.

Particularly recommended for applications in food, pharmaceutical and other contamination-sensitive industries using detection systems, where cable tie installation residuals (cut tails) are not allowed in the finished product.

- Detectable by metal detectors set at minimum 1.5 mm diameter ferrous sphere
- Detectable by X-Ray equipment
- Bright blue colour for an easy visual detection
- Help achieve the HACCP EU-Directive
- Available in standard Polyamide 6.6 or in buoyant Polypropylene version for liquid-processing applications
- Available in 4 different sizes in convenient small bags with Euroslot

Technical Information

Material - Moulding	Polyamide 6.6 or Polypropylene
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	Bright blue
Flammability rating	UL 94 V-2 (Polyamide 6.6)
	UL 94 HB (Polypropylene)
Other properties	Halogen free, silicone free
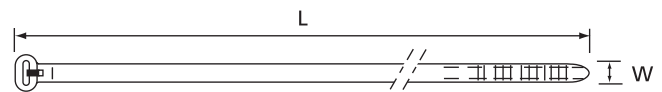
Product Ref.	Material	Length L [mm]	Width W [mm]	Bundle diameter from...to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
DETECTABLE POLYAMIDE 6.6							
TY523M-NDT	Polyamide 6.6	92	2.4	2 - 16	80	100	ERG50, WT193A
TY524M-NDT	Polyamide 6.6	140	3.6	2 - 29	180	100	
TY525M-NDT	Polyamide 6.6	186	4.8	3.5 - 45	220	100	ERG50, ERG120
TY528M-NDT	Polyamide 6.6	360	4.8	3.5 - 102	220	100	WT193A
TY527M-NDT	Polyamide 6.6	340	7.0	6 - 90	540	50	ERG120, L-500-EU
DETECTABLE POLYPROPYLENE							
TY523M-PDT	Polypropylene	92	2.4	2 - 16	50	100	
TY525M-PDT	Polypropylene	186	4.8	3.5 - 45	130	100	ERG50, WT193A
TY528M-PDT	Polypropylene	360	4.8	3.5 - 102	130	100	
TY527M-PDT	Polypropylene	340	7.0	6 - 90	270	50	ERG120, L-500-EU

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Thomas&Betts

Fluoropolymer cable ties - ETFE
*Premium cable ties with steel locking barb*

- ETFE Fluoropolymer version, resistant to chemicals and to radiation
- Non-outgassing properties for zero gravity applications
- The best all around plastic material for cable ties
- Typical applications include: nuclear, power plants, space industry, etc.

Technical Information

Material - Moulding	Fluoropolymer ETFE
Material - Locking barb	316 grade stainless steel
Temperature range	-46°C to +150°C
Colour	Aquamarine
Flammability rating	UL 94 V-0
Other properties	UV-resistant, Silicone free, inert to most solvents and chemicals, hydrolytically stable, radiation resistant. Non-outgassing properties for zero gravity applications.
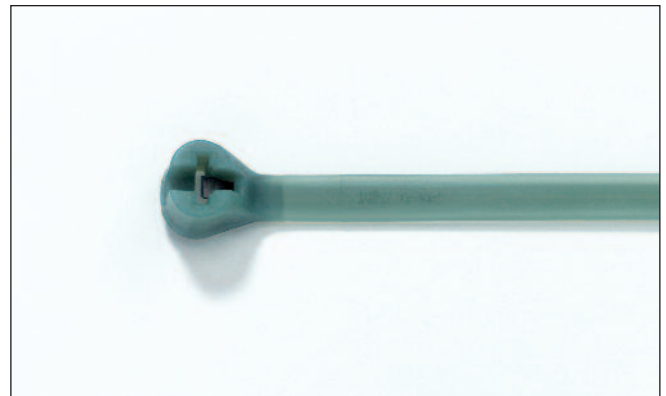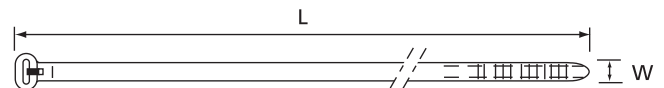
E49405

Product Ref.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
TYZ23M*	92	2.4	1.0	2 - 16	80	1000	
TYZ523M*	92	2.4	1.0	2 - 16	80	100	
TYZ25M	186	4.8	1.1	3.5 - 45	220	1000	ERG50
TYZ525M	186	4.8	1.1	3.5 - 45	220	100	ERG120**
TYZ28M	360	4.8	1.1	3.5 - 102	220	500	WT193A
TYZ528M	360	4.8	1.1	3.5 - 102	220	100	
TYZ27M	340	7.0	1.6	6 - 90	540	100	ERG120, L-500-EU
TYZ527M	340	7.0	1.6	6 - 90	540	50	

* Product Ref. TYZ23M and TYZ523M are UL listed (E49405), all other items are UL recognized
** ERG120 not to be used on TYZ23M

Thomas&Betts

Integrated mounting hole cable ties
Special ties with steel locking barb

BUREAU VERITAS *	**UL** E49405 *	VG approved VG95387 part 4, type B *

- Can be directly mounted onto a support with screws, bolts or rivets
- Mounting and bundling in one maintenance-friendly assembly.
- Typical application: cable harness manufacture and pre- and end-mounting of bundles and parts. Maintenance friendly mounting of cables, tubes and parts in all types and sizes of machines and installations - indoor and outdoor.

Technical Information

Material - Moulding	Polyamide 6.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	Natural or UV-resistant black (see table)
Flammability rating	UL 94 V-2
Other properties	UV-resistant (black), Halogen free Silicone free

TY...M, TY...MX   L   W

TYF35M, TYF535M   L   W
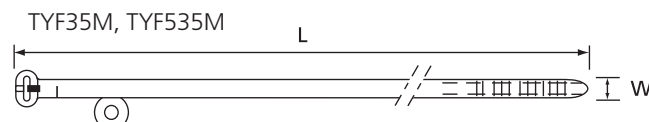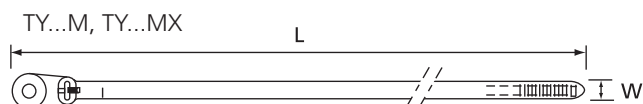
Product Ref.	Colour	Diameter of mounting hole [mm]	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
TY33M	natural	3.0	102	2.3	0.9	2 - 16	80	1000	
TY533M	natural	3.0	102	2.3	0.9	2 - 16	80	100	
TY33MX	UV-resistant black	3.0	102	2.3	0.9	2 - 16	80	1000	ERG50
TY533MX	UV-resistant black	3.0	102	2.3	0.9	2 - 16	80	100	WT193A
TY34M	natural	4.4	151	3.5	1.0	2 - 29	180	1000	
TY534M	natural	4.4	151	3.5	1.0	2 - 29	180	100	
TY34MX	UV-resistant black	4.4	151	3.5	1.0	2 - 29	180	1000	
TY534MX	UV-resistant black	4.4	151	3.5	1.0	2 - 29	180	100	
TY635M	natural	4.0	198	4.7	1.1	3.5 - 45	220	1000	
TY635MX	UV-resistant black	4.0	198	4.7	1.1	3.5 - 45	220	1000	
TY35M	natural	5.1	199	4.7	1.1	3.5 - 45	220	1000	ERG50
TY535M	natural	5.1	199	4.7	1.1	3.5 - 45	220	100	ERG120
TY35MX	UV-resistant black	5.1	199	4.7	1.1	3.5 - 45	220	1000	WT193A
TY535MX	UV-resistant black	5.1	199	4.7	1.1	3.5 - 45	220	100	
TY1435M	natural	6.7	198	4.7	1.1	3.5 - 45	220	1000	
TY37M	natural	6.7	356	7.7	2.0	6 - 90	540	500	
TY537M	natural	6.7	356	7.7	2.0	6 - 90	540	50	ERG120
TY37MX	UV-resistant black	6.7	356	7.7	2.0	6 - 90	540	500	L-500-EU
TY537MX	UV-resistant black	6.7	356	7.7	2.0	6 - 90	540	50	
TYF35M	natural	4.0	186	4.7	1.2	3.5 - 45	220	1000	ERG50, ERG120
TYF535M	natural	4.0	186	4.7	1.2	3.5 - 45	220	100	WT193A

* Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Panel mounting cable ties
Special ties with steel locking barb

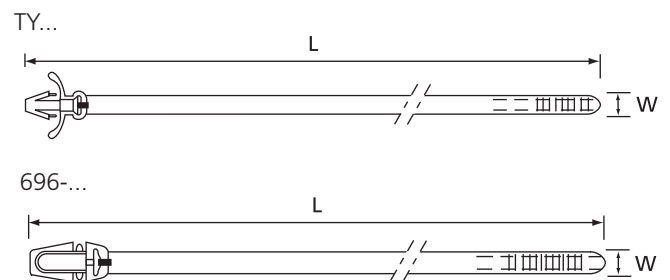- Fastening and clip-mounting in one
- Fast pre- or on-site-assembly for a range of panel thickness up to 4.0 mm
- Fast and secure clip-mounting

Technical Information

Material - Moulding	Polyamide 6.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	Natural or UV-resistant black (see table)
Flammability rating	UL 94 V-2
Other properties	UV-resistant (black), Halogen free
	Silicone free

E49405

BUREAU VERITAS

TY...

696-...
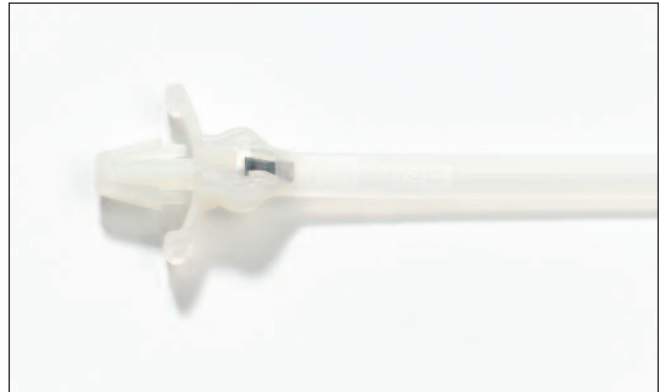
Product Ref.	Colour	Diameter of mounting hole [mm]	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Suitable for board/wall thickness from to [mm]	Quantity [pieces]	Tooling
ANCHOR TYPE										
TY54SM	natural	4.5 - 5.2	150	3.5	1.0	2 - 32	130	0.1 - 2.5	1000	ERG50
TY54SMX	UV-resistant black	4.5 - 5.2	150	3.5	1.0	2 - 32	130	0.1 - 2.5	1000	ERG120**
TY38M	natural	6.4 - 6.7	200	4.7	1.3	3.5 - 44	220	1.0 - 4.0	1000	WT193A
TY38MX	UV-resistant black	6.4 - 6.7	200	4.7	1.3	3.5 - 44	220	1.0 - 4.0	1000	
STANDARD TYPE										
696-41836	natural	5.8 - 7.5	197	4.8	1.1	3.5 - 45	220	2.2 - 3.7	1000	ERG50 , ERG120
696-41836X	UV-resistant black	5.8 - 7.5	197	4.8	1.1	3.5 - 45	220	2.2 - 3.7	1000	WT193A

* Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations
** ERG120 only to be used with TY38M and TY38MX

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Ty-Rap®

Cable ties with identification tag
Special ties with steel locking barb

- Identification ties with incorporated label for durable marking and tying
- Label forms onto the bundle
- 5 different versions, up to 4 straps, in bulk and small packaging
- 4 versions (up to 3 straps) are Mil-specified
- Trouble free installation
- Labelling of bundles up to 102 mm diameter
- All edges are rounded and surfaces smoothed to make installation easier

Technical Information

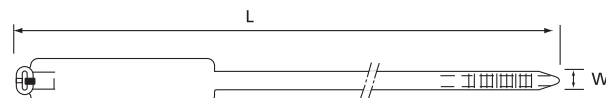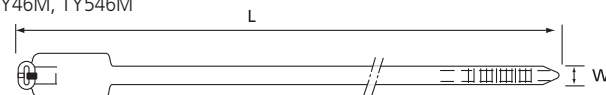|	
Material - Moulding	Polyamide 6.6
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	Natural
Approvals	MIL: MS-3368 -1, -2, -3, -4
Flammability rating	UL 94 V-2
Other properties	Halogen free, Silicone free

E49405
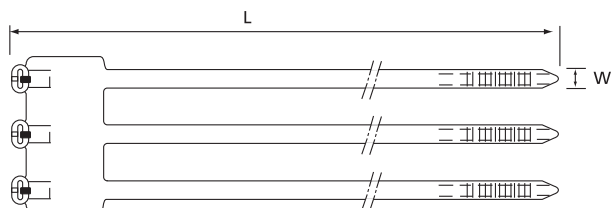
TY46MT, TY546MT

TY46MF, TY546MF
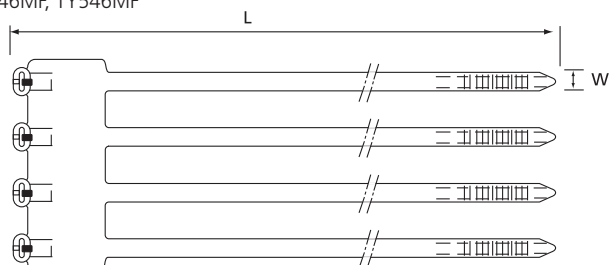
TY48M, TY548M

TY46M, TY546M

TY46MD, TY546MD

Product Ref.	MIL Spec.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Label dimensions [mm]	Quantity [pieces]	Tooling
TY48M	MS-3368-2	360	4.8	1.1	19 - 102	220	13.1 x 57.2	1000	
TY548M	MS-3368-2	360	4.8	1.1	19 - 102	220	13.1 x 57.2	100	
TY46M	MS-3368-1	184	4.8	1.1	9.5 - 45	220	13.1 x 27.0	1000	
TY546M	MS-3368-1	184	4.8	1.1	9.5 - 45	220	13.1 x 27.0	100	ERG50
TY46MD	MS-3368-3	184	4.8	1.1	9.5 - 45	220 x 2	29.7 x 27.0	500	ERG120
TY546MD	MS-3368-3	184	4.8	1.1	9.5 - 45	220 x 2	29.7 x 27.0	50	WT193A
TY46MT	MS-3368-4	184	4.8	1.1	9.5 - 45	220 x 3	46.0 x 27.0	500	
TY546MT	MS-3368-4	184	4.8	1.1	9.5 - 45	220 x 3	46.0 x 27.0	100	
TY46MF	–	184	4.8	1.1	9.5 - 45	220 x 4	63.1 x 27.0	250	
TY546MF	–	184	4.8	1.1	9.5 - 45	220 x 4	63.1 x 27.0	50	

For other materials and colours contact your Sales Office

Description of product reference structure: see page 10
Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

UL 94 V-0 flame retardant cable ties
All-plastic cable ties

- Similar to our Ty-Rap® range of flame retardant ties, these all-plastic ties are made from low smoke flame retardant Polyamide 6.6 and meet the requirements of UL 94 V-0.
- Ideal for use where low flammability and low smoke are necessary such as public transport / buildings, tunnels etc.

Technical Information

Material	Polyamide 6.6
Temperature range	-40°C to +85°C
Colour	Milky white
Flammability rating	UL 94 V-0
Other properties	Limited fire hazard (low smoke)
	Halogen free, Silicone free
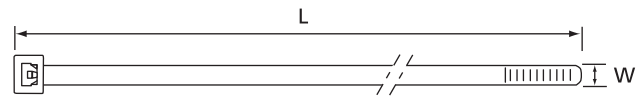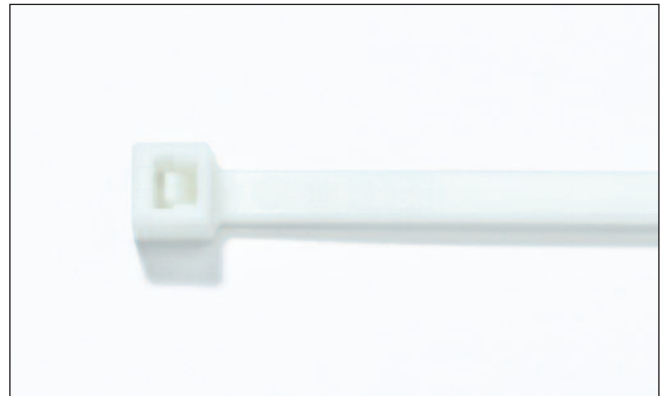
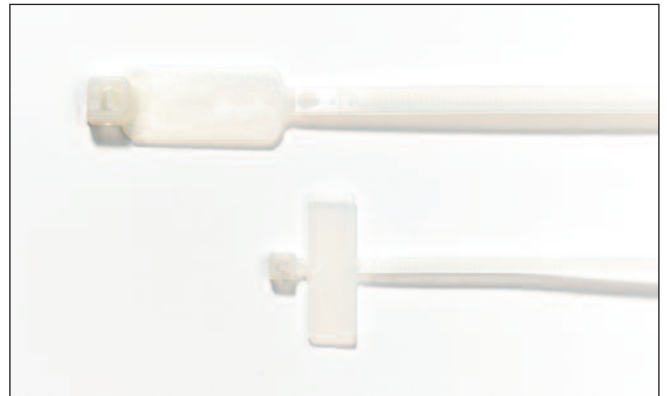| Product Ref.	Length L [mm]	Width W [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
TS1025HF	100	2.5	2 - 22	80	100	
TS1435HF	140	3.6	2.5 - 33	180	100	ERG50
TS2045HF	200	4.8	3 - 50	220	100	WT193A
TS2845HF	280	4.8	5 - 70	220	100	
TS3645HF	370	4.8	5 - 102	220	100	
TS3675HF	370	7.6	5 - 102	540	100	ERG120, L-500-EU WT3D

Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

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Thomas&Betts

Cable ties with identification tag
Special all-plastic cable ties

- Identification ties with incorporated label for durable marking and tying
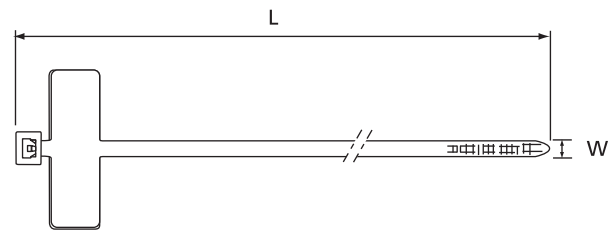- Simple marking on the roughened writing surface

Technical Information

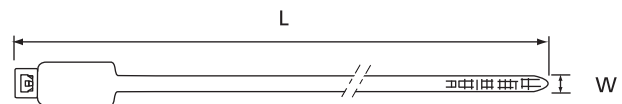| Material	Polyamide 6.6
Temperature range	-40°C to +85°C
Colour	Natural
Flammability rating	UL 94 V-2
Other properties	Halogen free, Silicone free

E49405

L-4-18ID-9-C

L-7-50ID-9-C

Product Ref.	Length L [mm]	Width W [mm]	Label dimensions [mm]	Bundle diameter max. [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
L-4-18ID-9-C	102	2.5	7.9 x 24.7	19	80	100	ERG50
L-4-18ID-9-M	102	2.5	7.9 x 24.7	19	80	1000	WT193A
L-7-50ID-9-C	200	4.7	30 x 13.3	44	220	100	ERG50, ERG120
L-7-50ID-9-M	200	4.7	30 x 13.3	44	220	1000	WT193A, L-500-EU

Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Thomas&Betts

# Heavy-duty double headed installation ties
Heavy-duty installation ties

- For securing and bundling of cables in the utility and construction industries
- Low profile double locking head*
- Serrations on the outer side of the tie eliminates the risk of damage to the cable
- Ideal for hazardous environments, low temperatures and humidity
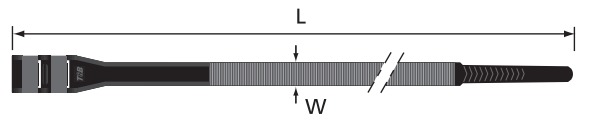- Conform to EDF HN33/S/62

Technical Information

Material	Polyamide 12
Temperature range	-40°C to +80°C
Colour	Black
Flammability rating	UL 94 HB
Other properties	UV-resistant

Single locking head
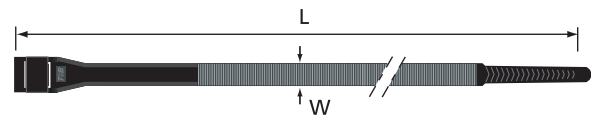
Double locking head

Product Ref.	Length L [mm]	Width W [mm]	Thickness [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
CT-9-180-0-C*	180	9	1.8	10 - 42	440	100	
CT-9-260-0-C	260	9	2.0	15 - 62	520	100	L300-FR
CT-9-360-0-C	360	9	2.0	25 - 92	520	100	L-500-EU
CT-9-500-0-C	510	9	2.4	74 - 140	550	100	WT3D
CT-9-750-0-C	760	9	2.4	74 - 220	550	100	

* Product Ref. CT-9-180-0-C has a single locking head

Description of materials and properties: see pages 142 to 153
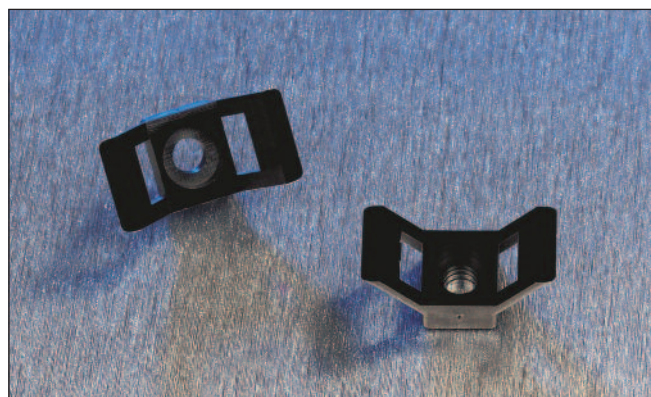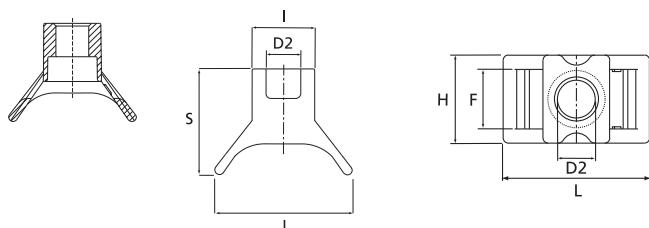For tooling specifications: see pages 128 to 141

Accessories
Heavy-duty installation ties

- Use 5 mm screw
- Cradle for ties up to 9 mm wide

Technical Information

Material	Polyamide 11/12
Temperature range	-40°C to +80°C
Colour	Black
Flammability rating	UL 94 HB
Other properties	UV-resistant

Product Ref.	L [mm]	I [mm]	S [mm]	H [mm]	F [mm]	d2 [mm]	Quantity [pieces]
CT-3401	22.9	10.5	17.6	13.8	9.4	5.9	100

Accessories
Heavy-duty installation ties

- Wall plug suitable for ø 8 mm hole
- Simply drill hole and hammer the plug in

Technical Information

Material	Polyamide 11/12
Temperature range	-40°C to +80°C
Colour	Black
Flammability rating	UL 94 HB
Other properties	UV-resistant
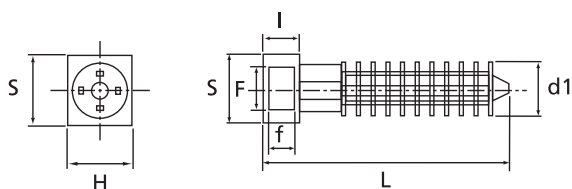
Product Ref.	L [mm]	Ød1 [mm]	S [mm]	H [mm]	I [mm]	F [mm]	f [mm]	Quantity [pieces]
CT-5359	43.1	9.6	13.2	16	6.3	9.5	2.4	100

Thomas&Betts

Ball-Lock Type - Standard widths, uncoated
Stainless steel cable ties
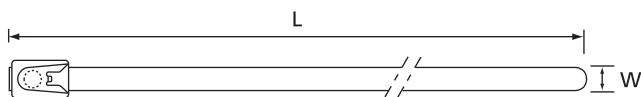
The Ball-Lock Type stainless steel ties from Thomas & Betts are self-locking, requiring no time consuming crimping or folding operations.

• Strong self-locking mechanism (stainless steel ball), with low insertion force
• Fast, easy and reliable installation
• Standard widths (4.6 mm & 7.9 mm), suitable for most applications, indoor and outdoor
• Uncoated version, suitable for high temperature environments
• 2 grades of non-magnetic stainless steel: 304 grade for standard applications and 316 grade (marine grade) for extra corrosion resistance
• Applications: installation of cables and pipes in extreme conditions and hazardous areas, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments
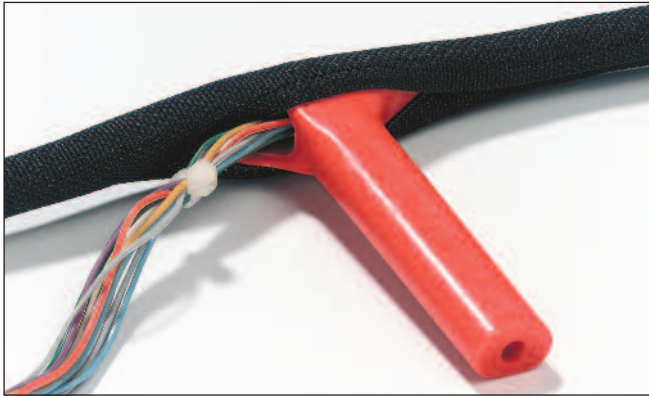
E49405*

* *Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations*

TYPE
APPROVED
PRODUCTS

Technical Information

Material	A. 304 grade non-magnetic stainless steel
	B. 316 grade non-magnetic stainless steel
Temperature range	-80°C to +300°C
Colour	Metallic
Flammability rating	Absolutely fireproof
Other properties	UV-resistant

Product Ref. Stainless steel 304	Product Ref. Stainless steel 316	Length L [mm]	Width W [mm]	Material thickness [mm]	Maximum bundle diameter [mm]	Minimum tensile strength [N]	Quantity [pieces]	Tooling
YLS-4.6-100A	YLS-4.6-100B	100	4.6	0.26	20	440	100	
YLS-4.6-125A	YLS-4.6-125B	125	4.6	0.26	22	440	100	
YLS-4.6-150A	YLS-4.6-150B	150	4.6	0.26	24	440	100	
YLS-4.6-200A	YLS-4.6-200B	200	4.6	0.26	50	440	100	
YLS-4.6-300A	YLS-4.6-300B	300	4.6	0.26	80	440	100	
YLS-4.6-360A	YLS-4.6-360B	360	4.6	0.26	100	440	100	
YLS-4.6-520A	YLS-4.6-520B	520	4.6	0.26	150	440	100	
YLS-4.6-680A	YLS-4.6-680B	680	4.6	0.26	200	440	100	
YLS-4.6-840A	YLS-4.6-840B	840	4.6	0.26	250	440	100	
YLS-4.6-1000A	YLS-4.6-1000B	1000	4.6	0.26	300	440	100	
YLS-4.6-1200A	YLS-4.6-1200B	1200	4.6	0.26	365	440	100	
YLS-4.6-1400A	YLS-4.6-1400B	1400	4.6	0.26	425	440	100	CT3
YLS-7.9-100A	YLS-7.9-100B	100	7.9	0.26	20	1110	100	CT6
YLS-7.9-125A	YLS-7.9-125B	125	7.9	0.26	22	1110	100	
YLS-7.9-150A	YLS-7.9-150B	150	7.9	0.26	24	1110	100	
YLS-7.9-200A	YLS-7.9-200B	200	7.9	0.26	50	1110	100	
YLS-7.9-300A	YLS-7.9-300B	300	7.9	0.26	80	1110	100	
YLS-7.9-360A	YLS-7.9-360B	360	7.9	0.26	100	1110	100	
YLS-7.9-520A	YLS-7.9-520B	520	7.9	0.26	150	1110	100	
YLS-7.9-680A	YLS-7.9-680B	680	7.9	0.26	200	1110	100	
YLS-7.9-840A	YLS-7.9-840B	840	7.9	0.26	250	1110	100	
YLS-7.9-1000A	YLS-7.9-1000B	1000	7.9	0.26	300	1110	100	
YLS-7.9-1200A	YLS-7.9-1200B	1200	7.9	0.26	365	1110	100	
YLS-7.9-1400A	YLS-7.9-1400B	1400	7.9	0.26	425	1110	100	

Description of materials and properties: see pages 142 to 153
For tooling specifications: see pages 128 to 141

Wrap-around woven sleeving
Cable protection systems

- Offers excellent protection for cable assemblies against abrasion
- No heat is required to seal the ends of this product as with traditional braided sleeving
- With its wrap-around design, it can be installed on assemblies where the wires are already terminated or wires need to be broken-out
- Bind-It® is available in nominal sizes from 5 mm to 38 mm

Technical Information

Material	Mono and multifilaments of polyester
Temperature range	-70°C to +125°C
Melt temperature	+255°C
Automotive temperature class	T3
Colour	Black
Flammability rating	Self-extinguishing, type B (FMVSS-302 Test method D45 1333)
Abrasion resistance	PSA D44 1722 : R8
Dielectric strength	from 1kVAC

Product Ref.	Nominal Size* [mm]	Length per mini-reel [m]
CPS05W-150-EU	5	150
CPS08W-100-EU	8	100
CPS13W-50-EU	13	50
CPS19W-25-EU	19	25
CPS25W-25-EU	25	25
CPS29W-15-EU	29	15
CPS32W-15-EU	32	15
CPS38W-15-EU	38	15
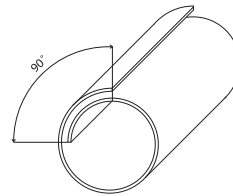
* Nominal size is determined by wrapping the product around a mandrel of a given size to obtain 90 degrees of overlap (average value).

Wrap-around woven sleeving - Flame retardant
Cable protection systems

Product Ref.	Nominal Size* [mm]	Length per mini-reel [m]
CPS05W-150-FR-EU	5	150
CPS08W-100-FR-EU	8	100
CPS13W-50-FR-EU	13	50
CPS19W-25-FR-EU	19	25
CPS25W-25-FR-EU	25	25
CPS29W-15-FR-EU	29	15
CPS32W-15-FR-EU	32	15
CPS38W-15-FR-EU	38	15
CPS50W-15-FR-EU	50	15

- Wrap-around sleeving manufactured from flame-retardant polyester monofilaments and multifilaments
- Designed for mechanical protection and maintenance of wire and cable bundles
- Its construction with 100% covering ratio provides excellent cut-through and abrasion resistance
- No heat is required to seal the ends of this product as with traditional braided sleeving
- With its wrap-around design, it can be installed on assemblies where the wires are already terminated or wires need to be broken-out
- Bind-It® is available in nominal sizes from 5 mm to 50 mm

Technical Information

Material	Mono and multifilaments of polyester
Temperature range	-50°C to +125°C
Melt temperature	+240°C
Automotive temperature class	T3
Colour	Black
Flammability rating	Flame retardant (I3-F1), NF16-101
Ignitability test	According to NF-EN-ISO 11925-2
Abrasion resistance	PSA D44 1722: R8
Smoke opacity	NFX 10-702-1; 10-702-2: Pass; Smoke index: 12
Index oxygen	According to NF-ISO 4589-2; OI=36,9 %
Dielectric strength	from 1kVAC
Other properties	Halogen free

Product Ref. WT-HSG

Spiral wrap
Cable protection systems
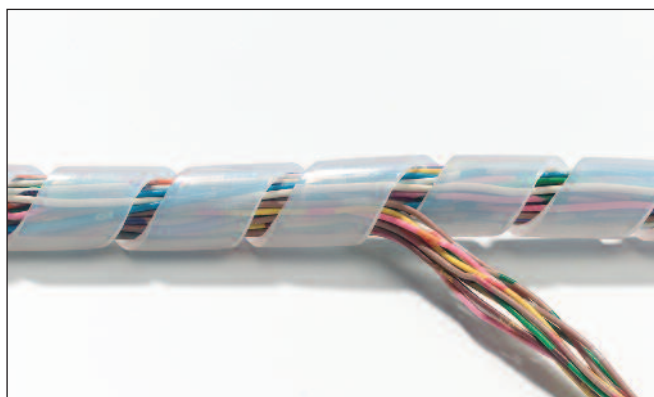
- For protection of bundles from 4 mm to 130 mm
- Install gapped for greater flexibility or butted for maximum abrasion resistance, insulation and rigidity
- Counter-clockwise cut
- Delivered in bags with Euroslot
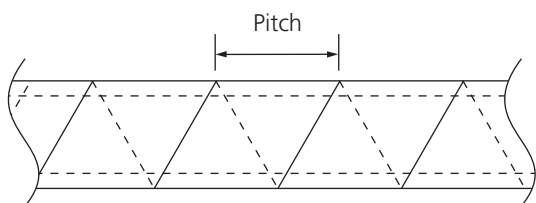- Available in natural and UV-resistant black Polyethylene

Technical Information

Material	Polyethylene
Temperature range	+10°C to +80°C
Colour	Natural and UV-resistant black
Flammability rating	UL 94 HB
Other properties	UV-resistant black, Halogen free, Silicone free

Nominal thickness
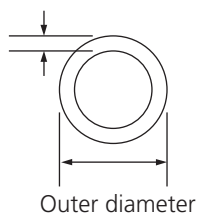
Outer diameter

Pitch

| Product Ref.	Colour	Outer diameter [mm]	Pitch [mm]	Nominal thickness [mm]	Min. - max. bundle diameter [mm]	Length [m]
SRPE-6-9	natural	6.0	7.0	0.5	4 - 50	10
SRPE-8-9	natural	8.0	10.8	0.5	6 - 60	10
SRPE-10-9	natural	10.0	11.4	0.8	7.5 - 60	10
SRPE-12-9	natural	12.0	13.9	0.9	9 - 65	10
SRPE-15-9	natural	15.0	15.0	1.0	12 - 70	10
SRPE-19-9	natural	19.0	18.2	1.3	15 - 100	10
SRPE-24-9	natural	24.0	19.6	1.5	20 - 130	10
SRPE-6-0	UV-resistant black	6.0	7.0	0.5	4 - 50	10
SRPE-8-0	UV-resistant black	8.0	10.8	0.5	6 - 60	10
SRPE-10-0	UV-resistant black	10.0	11.4	0.8	7.5 - 60	10
SRPE-12-0	UV-resistant black	12.0	13.9	0.9	9 - 65	10
SRPE-15-0	UV-resistant black	15.0	15.0	1.0	12 - 70	10
SRPE-19-0	UV-resistant black	19.0	18.2	1.3	15 - 100	10
SRPE-24-0	UV-resistant black	24.0	19.6	1.5	20 - 130	10

Tools for stainless steel ties
Fastening tools

Product Ref.: CT3

- Cost-effective tensioning tool
- Cut-off by hand-activated lever

Technical Information

Tool type	Hand tool
For type of cable tie	Ladder Type, Strap Type & Ball Lock Type stainless steel ties, coated and uncoated
For tie width	Up to 12 mm
Features	Tensioning, manual cutting
Weight	550 g
Dimensions [L x W x H]	210 x155 x 35 mm
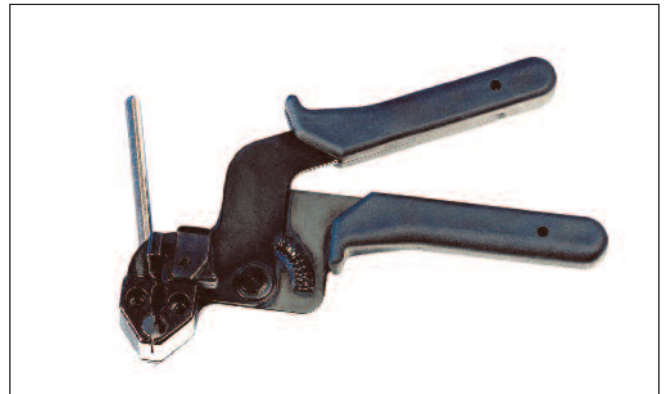
Product Ref.: L600

- Tensioning tool with twist cut

Technical Information

Tool type	Hand tool
For type of cable tie	Ball Lock Type stainless steel ties, coated and uncoated
For tie width	4.6 - 7.9 mm
Features	Tensioning, manual cutting (by twisting the tool)
Weight	600 g
Dimensions [L x W x H]	200 x 140 x 40 mm

Product Ref.: CT4-TB

- Bantam tool, suitable for Releasable Type, Ladder Type & Strap Type stainless steel ties
- Unique 3-way handle can be used in various positions. Especially useful in tight areas with minimal access

Technical Information

Tool type	Hand tool
For type of cable tie	Releasable Type, Ladder Type & Strap Type stainless steel ties
Features	Tensioning, manual cutting
Weight	1200 g
Dimensions [L x W x H]	156 x 180 x 80 mm

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Thomas&Betts

Tools for stainless steel ties
Fastening tools

Product Ref.: CT5

• Suitable for coated and uncoated Ladder Type & Strap Type stainless steel ties
• Adjustable tension settings
• Automatic cutting once desired tension has been reached

Technical Information

Tool type	Tension setting hand tool
For type of cable tie	Ladder Type & Strap Type stainless steel ties, coated and uncoated
For tie width	Up to 12 mm
Features	Adjustable tension setting, automatic cutting
Weight	430 g
Dimensions [L x W x H]	173 x 158 x 22 mm

Product Ref.: CT6

• Suitable for coated and uncoated Ball-Lock Type stainless steel ties
• Adjustable tension settings
• Automatic cutting once desired tension has been reached

Technical Information

Tool type	Tension setting hand tool
For type of cable tie	Ball-Lock Type stainless steel ties, coated and uncoated
For tie width	4.6 - 7.9 mm
Features	Adjustable tension setting, automatic cutting
Weight	430 g
Dimensions [L x W x H]	173 x 158 x 22 mm