

All plastic cable ties

Standard cable ties

Characteristics

State-of-the-art robotic and raw material handling equipment assures product and material integrity throughout the manufacturing process.

- The integrally formed Polyamide pawl combines low insertion and high locking strength
- A rounded, low-profile head makes for less snags
- Tails have improved two-sided finger grip design that helps the operator grasp and pull ties snug
- Sure Grip tab keeps the tail from popping out while being threaded, then holds it securely for final tightening by hand or tool
- Quick and easy pull through increases productivity, reduces operator fatigue

Technical Information

Material	Polyamide 6.6 (*)
Temperature range	-40°C to +85°C (natural and colours, excl. UV-resistant black) -40°C to +105°C (black)
Min. Installation Temp.	-20°C
Colour	Natural as standard colour (*)
Approvals	MIL: MS 3367-x (see table)
Flammability rating	UL 94 V-2
Other properties	Halogen free, Silicone free

(*) For other materials and colours see the product reference structure page 46



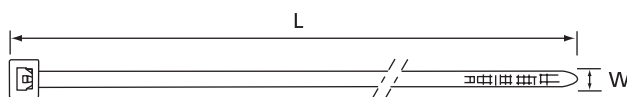
Product Ref.	MIL Spec.	Length L [mm]	Width W [mm]	Bundle ø from ... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling	
TY100-18	MS-3367-4	112	2.4	1.5 - 25	80	1000	ERG50	
TY125-18	-	136	2.4	1.5 - 32	80	1000		
TY150-18	-	163	2.4	1.5 - 38	80	1000		
TY125-30	-	143	3.3	1.5 - 32	130	1000		
TY125-40*	MS-3367-5	141	3.6	1.5 - 32	180	1000		
TY200-40	-	205	3.6	1.5 - 50	180	1000		
TY300-40	-	290	3.6	1.5 - 76	180	1000		
TY400-40	-	368	3.6	6.35 - 102	180	1000		
TY125-50	-	140	4.6	1.5 - 32	220	1000		ERG50 ERG120
TY175-50	MS-3367-1	186	4.6	3.17 - 44	220	1000		
TY225-50	-	226	4.6	3.17 - 57	220	1000		
TY300-50	MS-3367-7	291	4.6	3.17 - 76	220	1000		
TY400-50	MS-3367-2	366	4.6	3.17 - 102	220	1000	ERG120 L-500-EU WT3D	
TY200-120	-	219	7.6	15 - 50	540	500		
TY300-120	-	289	7.6	15 - 76	540	100		
TY400-120	MS-3367-3	375	7.6	15 - 102	540	50/100		
TY450-120	-	457	7.6	15 - 124	540	50		
TY600-120	-	610	7.6	15 - 184	540	50		
TY800-120	MS-3367-6	706	7.6	6.35 - 204	540	50		

* Operation temperature: -30°C to +85°C

Description of Product Reference structure: see page 46

Description of materials and properties: see pages 144 to 155

For tooling specifications: see pages 130 to 143



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

All plastic cable ties

Extra-long cable ties

Characteristics

- Extremely long ties (up to 1214 mm)
- Robust construction (778N), for demanding applications where superior tensile strength is required
- The extra long Ty-Fast® ties are available in natural colour for indoor applications and in UV-resistant black for outdoor applications

Technical Information

Material	Polyamide 6.6
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

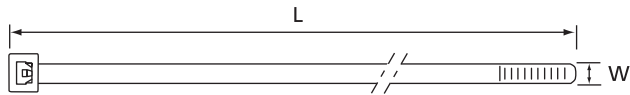


Product Ref.	Colour	Length L [mm]	Width W [mm]	Bundle ø from ... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
TY600-175X	UV-resistant black	631	9.0	7 - 187	778	50	WT3D L-500-EU
TY600-175	Natural	631	9.0	7 - 187	778	50	
TY900-175X	UV-resistant black	916	8.8	7 - 263	778	50	
TY900-175	Natural	916	8.8	7 - 263	778	50	
TY1000-175X	UV-resistant black	1041	8.8	7 - 305	778	50	
TY1000-175	Natural	1041	8.8	7 - 305	778	50	
TY1200-175	UV-resistant black	1233	8.6	38 - 368	778	50	
TY1200-175	Natural	1233	8.6	38 - 368	778	50	

Description of Product Reference structure: see page 46

Description of materials and properties: see pages 144 to 155

For tooling specifications: see pages 130 to 143



All plastic cable ties

Heavy-duty cable ties

Characteristics

- Extremely robust ties (1120N), for demanding applications where extreme tensile strength is required
- Available in natural colour for indoor applications and in UV-resistant black for outdoor applications

Technical Information

Material	Polyamide 6.6
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

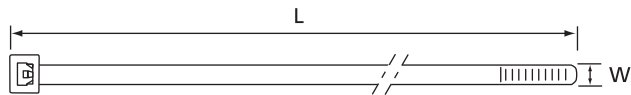


Product Ref.	Colour	Length L [mm]	Width W [mm]	Bundle ø from ... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
TYL300M	natural	300	13.2	75	1120	50	L-500-EU
TYL300MX	UV-resistant black	300	13.2	75	1120	50	
TYL546M	natural	546	13.2	140	1120	50	
TYL546MX	UV-resistant black	546	13.2	140	1120	50	

Description of Product Reference structure: see page 46

Description of materials and properties: see pages 144 to 155

For tooling specifications: see pages 130 to 143



All plastic cable ties

UL 94 V-0 flame retardant cable ties

Characteristics

- 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

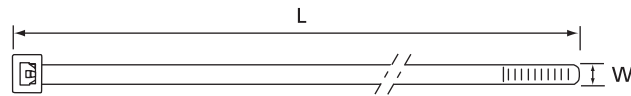
Material	Polyamide 6.6
Temperature range	-40°C to +85°C
Colour	Milky white
Flammability rating	UL 94 V-0
Other properties	Limited fire hazard (low smoke), Halogen free, Silicone free



Product Ref.	Length L [mm]	Width W [mm]	Bundle ø from ... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
TS1025HF	100	2.5	2 - 22	80	100	ERG50
TS1435HF	140	3.6	2.5 - 33	180	100	
TS2045HF	200	4.8	3 - 50	220	100	
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 144 to 155

For tooling specifications: see pages 130 to 143



Special all-plastic cable ties

Integrated mounting hole cable ties

Characteristics

- Cable tie can be directly mounted onto a support with screws, bolts or rivets
- Mounting and bundling in one maintenance-friendly assembly
- Cable harness manufacture and pre- and end- mounting of bundles and parts
- UV-resistant version, especially recommended for outdoor applications

Technical Information

Material	Polyamide 6.6
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

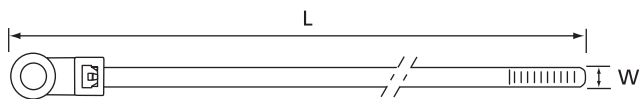


Product Ref.	Colour	Length	Width	Fixing scrw size	Bundle ø from ... to	Min. tensile strenght	Quantity	Tooling
		L	W					
		[mm]	[mm]					
L-5-30MH-0-C*	UV-resistant black	152	3.3	M4	2 - 32	130	100	ERG50
L-5-30MH-9-C*	natural	152	3.3	M4	2 - 32	130	100	
L-7-50MH-0-C	UV-resistant black	208	4.7	M5	2 - 44	220	100	ERG50 ERG120 WT3D
L-7-50MH-9-C	natural	208	4.7	M5	2 - 44	220	100	
L-11-50MH-0-C*	UV-resistant black	314	4.7	M5	2 - 76	220	100	
L-11-50MH-9-C*	natural	314	4.7	M5	2 - 76	220	100	
L-14-50MH-0-C	UV-resistant black	382	4.7	M5	2 - 102	220	100	
L-14-50MH-9-C	natural	382	4.7	M5	2 - 102	220	100	
L-14-120MH-0-C*	UV-resistant black	382	7.6	M6	5 - 102	540	100	ERG120 L-500-EU, WT3D
L-14-120MH-9-C*	natural	382	7.6	M6	5 - 102	540	100	

* Not UL listed

Description of materials and properties: see pages 144 to 155

For tooling specifications: see pages 130 to 143



Special all-plastic cable ties

Releasable panel mounting cable ties

Characteristics

- Fastening and clip-mounting in one
- Fast pre- or on-site-assembly for a range of panel thickness up to 2.7 mm
- Fast and secure clip-mounting
- For use in 6.35 mm mounting hole
- Product References containing xxx-PMR-xxx are releasable

Technical Information

Material	Polyamide 6.6
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

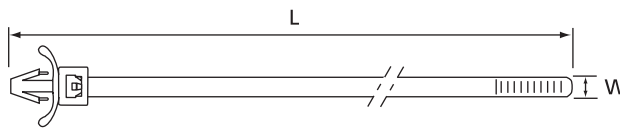


Product Ref.	Colour	Length L [mm]	Width W [mm]	Bundle ø from ... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
STANDARD PANEL MOUNTING TIES							
L-5-50PM-0-C*	UV-resistant black	147	4.8	2 - 25	220	100	ERG50 ERG120 L-500-EU
L-5-50PM-9-D*	natural	147	4.8	2 - 25	220	500	
L-7-50PM-0-C	UV-resistant black	208	4.8	2 - 44	220	100	
L-7-50PM-9-C	natural	208	4.8	2 - 44	220	100	
RELEASABLE PANEL MOUNTING TIES							
TB-4-50PMR-9-C-EU*	natural	110	4.8	2 - 22	220	100	ERG50
L-5-50PMR-0-C*	UV-resistant black	147	4.8	2 - 25	220	100	ERG120
L-5-50PMR-9-C*	natural	147	4.8	2 - 25	220	100	L-500-EU
L-7-50PMR-9-C*	natural	208	4.8	2 - 44	220	100	WT1-TB WT2-TB

* Not UL registered

Description of materials and properties: see pages 144 to 155

For tooling specifications: see pages 130 to 143



Special all-plastic cable ties

Releasable cable ties

Characteristics

- Easy releasable and re-usable. UV-resistant version, especially recommended for outdoor applications

Technical Information

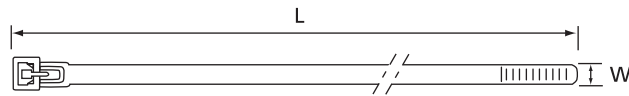
Material Polyamide 6.6
 Temperature range -40°C to +85°C
 Colour Natural or UV-resistant black (see table)
 Flammability rating UL 94 V-2
 Other properties UV-resistant (black), Halogen free, Silicone free



Product Ref.	Colour	Length	Width	Bundle ø from ... to	Min. tensile strength [N]	Quantity [pieces]	Tooling
		L [mm]	W [mm]				
L-5-50R-0-C*	UV-resistant black	150	7.5	3 - 32	220	100	L-500-EU WT3D ERG120
L-8-50R-0-C*	UV-resistant black	198	7.5	3 - 51	220	100	
L-8-50R-9-C*	natural	198	7.5	3 - 51	220	100	
L-10-50R-0-C	UV-resistant black	298	7.5	3 - 76	220	100	
L-10-50R-9-C	natural	298	7.5	3 - 76	220	100	

* Not UL Listed

Description of materials and properties: see pages 144 to 155
 For tooling specifications: see pages 130 to 143



Special all-plastic cable ties

Cable ties with identification tag

Characteristics

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

Technical Information

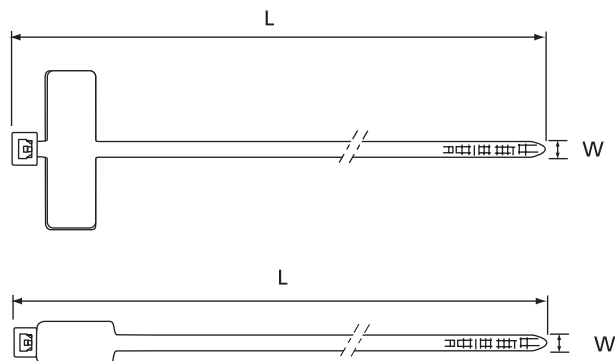
Material	Polyamide 6.6
Temperature range	-40°C to +85°C
Colour	Natural
Flammability rating	UL 94 V-2
Other properties	Halogen free, Silicone free



Product Ref.	Length L [mm]	Width W [mm]	Label dimensions [mm]	Bundle ø max. [mm]	Min. tensile strenght [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	
L-7-50ID-9-C	200	4.7	30 x 13.3	44	220	100	ERG50, ERG120 L-500-EU
L-7-50ID-9-M	200	4.7	30 x 13.3	44	220	1000	

Description of materials and properties: see pages 144 to 155

For tooling specifications: see pages 130 to 143



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Special all-plastic cable ties

Special double-headed ties

Characteristics

- The double-headed ties allow the parallel routing of two bundles of cable with one single tie
- Available in 3 different lengths

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



Product Ref.	Length L [mm]	Width W [mm]	Bundle diameter		Min. tensile strength [N]	Quantity [pieces]	Tooling
			loop 1 from ... to [mm]	Loop 2 from ... to [mm]			
TB-50RLDH	200	4.8	2.5 - 47	2.0 - 45	220	1000	
TB-12-50RLDH	300	4.8	2.5 - 72	2.0 - 70	220	1000	ERG50 ERG120
TB-15-50RLDH	370	4.8	2.5 - 100	2.0 - 97	220	1000	L-500-EU

Description of materials and properties: see pages 144 to 155
 For tooling specifications: see pages 130 to 143

