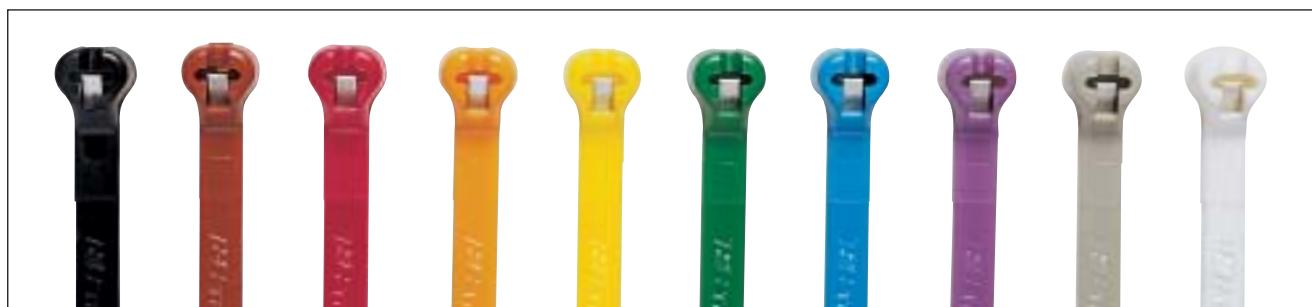
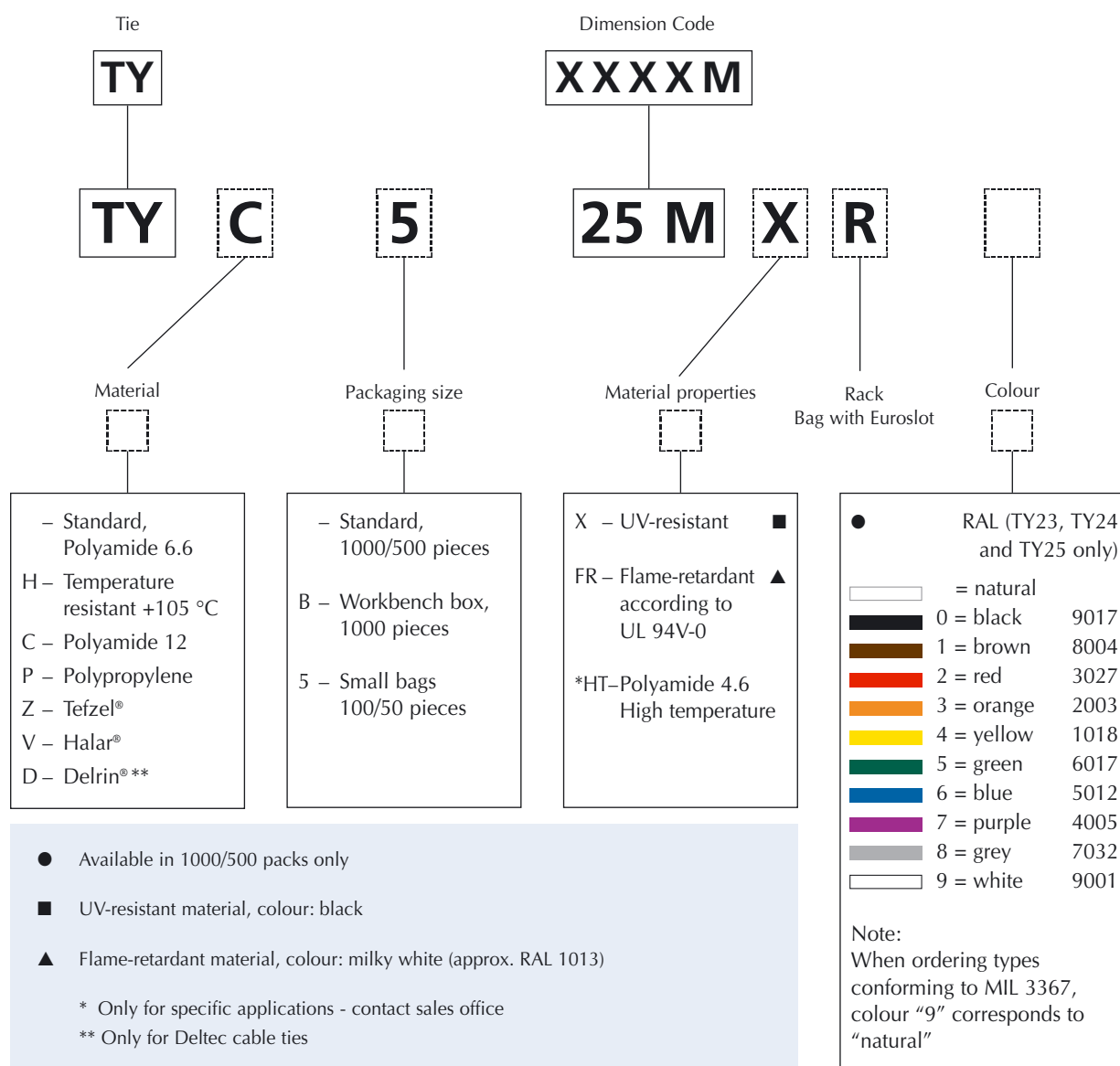




To the standard Product Reference, you can add special order codes for: material, packaging size, material properties and colours.

Example:



Tefzel® and Delrin® are registered trademark of DuPont de Nemours
Halar® is a registered trademark of Solvay Solexis

Product overview

The main characteristics of the Ty-Rap® cable ties are shown on pages 8 and 9.

To cover the most demanding applications, the standard Ty-Rap® cable ties are available in:

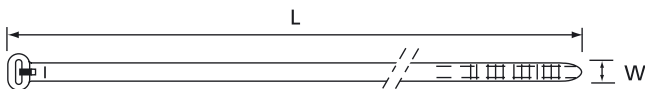
- Several lengths
- 6 typical widths, with a tensile strength up to 780N
- 6 different materials, with a total of 9 different grades (see pages 102 to 109 for material specifications & selection)
- Several colours and packaging sizes (see page 10)



Approvals



E49405



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

Ordering Information: Standard Polyamide 6.6 cable ties

PRODUCT REF.	MIL SPEC.	LENGTH L [mm]	WIDTH W [mm]	THICKNESS [mm]	BUNDLE DIAMETER FROM ... TO [mm]	MINIMUM TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
TY23M / TYB23M	MS-3367-4	92	2.4	1.0	2 - 16	80	1000	
TYB2315M	–	178	2.4	1.0	2 - 32	80	1000	
TY232M	–	203	2.4	1.0	2 - 50	80	1000	ERG299
TY234M	–	356	2.4	1.0	2 - 102	80	1000	WT193A
TY24M / TYB24M	MS-3367-5	140	3.6	1.1	2 - 29	180	1000	TR227
TY242M	–	208	3.6	1.1	2 - 50	180	1000	
TY26M	–	284	3.6	1.1	2 - 76	130	1000	
TY244M	–	368	3.6	1.1	2 - 103	130	1000	
TY25M / TYB25M	MS-3367-1	186	4.8	1.1	3.5 - 45	220	1000	ERG299, ERG297
TY253M	MS-3367-7	290	4.8	1.1	3.5 - 78	220	1000	WT193A
TY28M	MS-3367-2	360	4.8	1.1	3.5 - 102	220	1000	TR227
TY271M	–	150	7.6	1.5	6 - 31	540	500	
TY272M	–	222	7.6	1.6	6 - 50	540	500	
TY27M	MS-3367-3	340	7.0	1.6	6 - 90	540	500	L-500-EU
TY275M	–	457	7.0	1.6	6 - 127	540	500	ERG297
TY277M	–	617	7.0	1.6	6 - 177	540	500	
TY29M	MS-3367-6	771	7.6	1.6	6 - 229	540	500	
TY53510M	–	889	8.1	1.7	to 254	780	50	WT3D
TY54513M	–	1143	8.1	1.7	to 330	780	50	L-500-EU

Available in other colours: see page 10 for description of colours and packaging sizes

Description of materials and properties: see pages 102 to 109

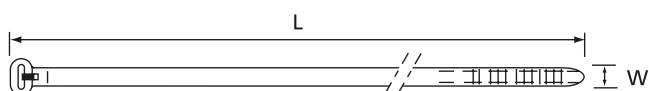
For tooling specifications, see pages 92 to 99



Approvals



E49405



Technical Information

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

Ordering Information: Polyamide 6.6 UV-stabilised cable ties

PRODUCT REF.	MIL SPEC.	LENGTH L [mm]	WIDTH W [mm]	THICKNESS [mm]	BUNDLE DIAMETER FROM ... TO [mm]	MINIMUM TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
TY23MX / TYB23MX	MS-3367-4	92	2.4	1.0	2 - 16	80	1000	ERG299 WT193A TR227
TYB2315MX	—	178	2.4	1.0	2 - 32	80	1000	
TY232MX	—	203	2.4	1.0	2 - 50	80	1000	
TY234MX	—	356	2.4	1.0	2 - 102	80	1000	
TY24MX / TYB24MX	MS-3367-5	140	3.6	1.1	2 - 29	130	1000	
TY242MX	—	208	3.6	1.1	2 - 50	130	1000	
TY26MX	—	284	3.6	1.1	2 - 76	130	1000	ERG297 ERG299 WT193A, TR227
TY244MX	—	368	3.6	1.1	2 - 103	130	1000	
TY25MX / TYB25MX	MS-3367-1	186	4.8	1.1	3.5 - 45	220	1000	
TY253MX	MS-3367-7	290	4.8	1.1	3.5 - 78	220	1000	
TY28MX	MS-3367-2	360	4.8	1.1	3.5 - 102	220	1000	
TY271MX	—	150	7.6	1.5	6 - 31	540	500	L-500-EU ERG297
TY272MX	—	222	7.6	1.6	6 - 50	540	500	
TY27MX	MS-3367-3	340	7.0	1.6	6 - 90	540	500	
TY275MX	—	457	7.0	1.6	6 - 127	540	500	
TY277MX	—	617	7.0	1.6	6 - 177	540	500	
TY29MX	MS-3367-6	771	7.6	1.6	6 - 229	540	500	
TY53510MX	—	889	8.1	1.7	to 254	780	50	WT3D
TY54513MX	—	1143	8.1	1.7	to 330	780	50	L-500-EU

Description of packing sizes: see page 10

Description of materials and properties: see pages 102 to 109

For tooling specifications, see pages 92 to 99