

Ty-Rap® high performance cable ties

Polyamide 6.6 cable ties – UV-resistant black



Characteristics

- UV-resistant
- Recommended for outdoor applications
- Several lengths and 6 typical widths with a tensile strength up to 780N, to cover the most demanding applications
- Packaging: OEM bulk quantities in recyclable polythene bags
- Also available in small bags with Euroslot (see page 12) and in workbench boxes (see page 15)

Technical information

- Material - Molding: Polyamide 6.6
- Material - Locking barb: 316 grade stainless steel
- Temperature range: -60°C to +105°C (-76°F to 221°F)
- Min. Installation Temp.: -30°C (-22°F)
- Color: Black
- Flammability rating: UL 94 V-2
- Other properties: UV-resistant, Halogen free, Silicone free

Polyamide 6.6 cable ties – UV-resistant black



Product code	GID No.	Bundle ø from ... to		Length L		Width W		Min. tensile strength		Pack quantity [pieces]	MIL spec.*
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[lbs]	[N]		
Standard pack size											
TY523MX	7TAG009010R0015	1.5 - 16	0.1 - 0.6	92	3.6	2.3	0.09	18	80	100	
TY52315MX	7TAG009020R0051	1.5 - 32	0.1 - 1.3	178	7.0	2.3	0.09	18	80	100	-
TY5232MX	7TAG009010R0010	1.5 - 51	0.1 - 2.0	203	8.00	2.3	0.09	18	80	100	-
TY5234MX	7TAG009010R0011	1.5 - 102	0.1 - 4.0	356	14.0	2.3	0.09	18	80	100	-
TY524MX	7TAG009090R0007	2 - 35	0.1 - 1.4	140	5.5	3.6	0.14	40	180	100	
TY5242MX	7TAG009090R0003	2 - 51	0.1 - 2.0	208	8.2	3.6	0.14	40	180	100	-
TY526MX	7TAG009080R0002	2 - 76	0.1 - 3.0	284	11.2	3.6	0.14	29	130	100	-
TY5244MX	7TCG009090R0005	2 - 102	0.1 - 4.0	368	14.5	3.6	0.14	29	130	100	-
TY525MX	7TAG009170R0002	3 - 48	0.1 - 1.9	186	7.3	4.8	0.19	50	220	100	
TY5253MX	7TAG009180R0007	3 - 78	0.1 - 3.1	290	11.4	4.8	0.19	50	220	100	
TY528MX	7TAG009170R0004	3 - 102	0.1 - 4.0	361	14.2	4.8	0.19	50	220	100	
TY5272MX*	7TAG009290R0003	6 - 51	0.2 - 2.0	223	8.8	6.9	0.27	121	540	50	-
TY527MX*	7TAG009280R0002	6 - 102	0.2 - 4.0	340	13.4	7.0	0.28	121	540	50	-
TY5275MX*	7TAG009280R0000	6 - 127	0.2 - 5.0	457	18.0	7.0	0.28	121	540	50	-
TY5277MX*	7TAG009290R0006	6 - 177	0.2 - 7.0	617	24.3	7.0	0.28	121	540	50	-
TY529MX*	7TAG009280R0004	6 - 229	0.2 - 9.0	771	30.4	6.9	0.27	121	540	50	-
TY53510MX	7TCG009380R0002	to 254	to 10.0	889	35.0	8.2	0.32	121	780	50	-
TY54513MX	7TCG009380R0005	to 330	to 12.99	1143	45.0	8.2	0.32	121	780	50	-

* Add "-9" for items certified to M53367. See page 147 for more details

* Min. installation temp: -40°C

Description of product code structure: see page 12

Description of materials and properties: see pages 150 to 159

Some approvals may not be applicable to all product codes

Contact your Sales Office for approvals limitations

Tooling



ERG50
For use with 2.3mm to 4.8mm (80N to 220N) cable ties. See page 136.

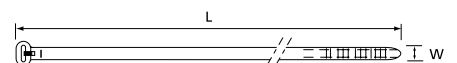


ERG120
For use with 4.8mm to 7.0mm (220N to 540N) cable ties. See page 136.



WT3D
For use with 4.8mm to 8.2mm (220N to 780N) cable ties. See page 136.

Dimensions



Ty-Rap® high performance cable ties

Polyamide 6.6 cable ties – UV-resistant black (continued)

Polyamide 6.6 cable ties – UV-resistant black



Product code	GID No.	Bundle ø from ... to		Length L		Width W		Min. tensile strength		Pack quantity [pieces]	MIL spec.*
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[lbs]	[N]		
Bulk pack size											
TY23MX	7TAG009040R0011	1.5 - 16	0.1 - 0.6	92	3.6	2.3	0.09	18	80	1000	●
TY232MX	7TAG009040R0007	1.5 - 51	0.1 - 2.0	203	8.0	2.3	0.09	18	80	1000	-
TY234MX	7TAG009050R0001	1.5 - 102	0.1 - 4.0	356	14.0	2.3	0.09	18	80	1000	-
TY24MX	7TAG009130R0009	2 - 35	0.1 - 1.4	140	5.5	3.6	0.14	40	180	1000	●
TY242MX	7TAG009130R0004	2 - 51	0.1 - 2.0	208	8.2	3.6	0.14	40	180	1000	-
TY26MX	7TAG009120R0004	2 - 76	0.1 - 3.0	284	11.2	3.6	0.14	29	130	1000	-
TY244MX	7TCG009130R0006	2 - 102	0.1 - 4.0	368	14.5	3.6	0.14	29	130	1000	-
TY25MX	7TAG009210R0045	3 - 48	0.1 - 1.9	186	7.3	4.8	0.19	50	220	1000	●
TY253MX	7TAG009220R0003	3 - 78	0.1 - 3.1	290	11.4	4.8	0.19	50	220	1000	●
TY28MX	7TAG009210R0050	3 - 102	0.1 - 4.0	361	14.2	4.8	0.19	50	220	1000	●
TY272MX**	7TAG009330R0007	6 - 51	0.2 - 2.0	223	8.8	6.9	0.27	121	540	500	-
TY27MX**	7TAG009320R0004	6 - 102	0.2 - 4.0	340	13.4	7.0	0.28	121	540	500	●
TY275MX**	7TAG009320R0001	6 - 127	0.2 - 5.0	457	18.0	7.0	0.28	121	540	500	-
TY277MX**	7TAG009330R0010	6 - 177	0.2 - 7.0	617	24.3	7.0	0.28	121	540	500	-
TY29MX**	7TAG009330R0014	6 - 229	0.2 - 9.0	771	30.4	6.9	0.27	121	540	500	●

* Add "-9" for items certified to MS3367. See page 147 for more details

** Min. installation temp : -40°C

Description of product code structure: see page 12

Description of materials and properties: see pages 150 to 159

Some approvals may not be applicable to all product codes

Contact your Sales Office for approvals limitations

Tooling



ERG50

For use with 2.3mm to 4.8mm (80N to 220N) cable ties. See page 136.



ERG120

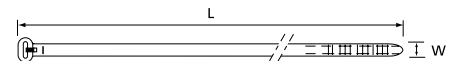
For use with 4.8mm to 7.0mm (220N to 540N) cable ties. See page 136.



WT3D

For use with 4.8mm to 8.2mm (220N to 780N) cable ties. See page 136.

Dimensions



Ty-Rap® high performance cable ties

Polyamide 6.6 cable ties – Workbench boxes



Characteristics

- An attractive packaging option for high volume manual assembly: 1000 pieces in a workbench box - easy to reach and timesaving
- This user-friendly packaging allows quicker work and easier assembly since all cable ties packed with the heads up for better access.

Technical information

- Material - Molding: Polyamide 6.6
- Material - Locking barb: 316 grade stainless steel
- Temperature range:
 - 60°C to +85°C (-76°F to 185°F) (natural),
 - 60°C to +105°C (-76°F to 221°F) (black)
- Min. Installation Temp.:
 - 20°C (-4°F) (natural),
 - 30°C (-22°F) (black)
- Color: Natural or UV-resistant black (other colors see page 12)
- Flammability rating: UL 94 V-2
- Other properties: Halogen free, Silicone free, UV-resistant (black)

Polyamide 6.6 cable ties – Workbench boxes



Product code	GID No.	Color	Bundle ø from ... to		Length L		Width W		Min. tensile strength		Quantity [pieces]	MIL spec.
			[mm]	[in]	[mm]	[in]	[mm]	[in]	[lbs]	[N]		
TYB23M	7TCG009450R0186	Natural	1.5 - 16	0.06 - 0.6	92	3.6	2.3	0.09	18	80	1000	●
TYB23MX	7TCG009960R0068	UV-resistant black	1.5 - 16	0.06 - 0.6	92	3.6	2.3	0.09	18	80	1000	●
TYHB23M	7TCG009460R0111	Natural	1.5 - 16	0.10 - 0.6	92	3.6	2.4	0.09	18	80	1000	-
TYB2315M	7TAG009050R0002	Natural	1.3 - 32	0.1 - 1.3	178	7.0	2.3	0.09	18	80	1000	-
TYB2315MX	7TAG009050R0003	UV-resistant black	1.5 - 32	0.1 - 1.3	178	7.0	2.3	0.09	18	80	1000	-
TYB232M	7TCG009020R0054	Natural	1.5 - 51	0.06 - 2.00	203	8.0	2.3	0.09	18	80	1000	-
TYB232MX	7TCG009020R0055	UV-resistant black	1.5 - 51	0.06 - 2.00	203	8.0	2.3	0.09	18	80	1000	-
TYB24M	7TCG009140R0019	Natural	2 - 35	0.08 - 1.4	140	5.5	3.6	0.14	40	178	1000	●
TYB24MX	7TCG009960R0069	UV-resistant black	2 - 35	0.08 - 1.4	140	5.5	3.6	0.14	40	180	1000	●
TYB25M	7TCG009450R0193	Natural	3 - 48	0.12 - 1.9	186	7.3	4.8	0.19	50	220	1000	●
TYB25MX	7TCG009450R0198	UV-resistant black	3 - 48	0.12 - 1.9	186	7.3	4.8	0.19	50	220	1000	●

Description of product code structure: see page 12
 Description of materials and properties: see pages 150 to 159
 For tooling specifications: see pages 136 to 143

Tooling



ERG50
 For use with 2.3mm to 4.8mm (80N to 220N) cable ties. See page 136.



ERG120
 For use with 4.8mm (220N) cable ties. See page 136.

Dimensions

