



Ty-Rap® Cable ties for the railway industry

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Cable ties for the railway industry

UV-resistant and flame retardant Ty-Rap® cable ties for the railway industry

- Premium cable ties with steel locking barb to secure and manage cables
- The “Grip of Steel” Non-Magnetic Stainless Steel locking Barb – marine grade type 316
- Rounded edges to prevent sharp edges from damaging cables
- Smooth, notchless body, making the cable ties stronger
- Ribbed and Stippled surface to prevent the tie from slipping under vibration conditions and external shock
- UV-resistant and flame retardant Ty-Rap® cable ties are certified to the latest standard for the train industry
- Tested according to the NFF 16-101 standard
- Tested according to the EN 45545-2
- Complete range of Ty-Rap® cable ties in different dimensions up to a tensile strength of 540N

Technical information UV-resistant cable ties

Material – Moulding	Polyamide 6.6
Material – Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	Black
Flammability rating	UL 94 V-2
Other properties	UV-resistant, Halogen free, Silicon free
Test Result NFF 16-101	I3F2
Test Result EN 45545-2	HL2 for R22 and R23 requirement



Product Ref.	Length	Width	Thick-ness	Bundle diameter from ... to	Minimum tensile strength	Quantity
		[mm]	[mm]	[mm]	[mm]	[Stück]
TY23MX-RW	92	2.4	1.0	2 - 16	80	1000
TY232MX-RW	203	2.4	1.0	2 - 50	80	1000
TY234MX-RW	356	2.4	1.0	2 - 102	80	1000
TY24MX-RW	140	3.6	1.1	2 - 29	180	1000
TY242MX-RW	204	3.6	1.1	2 - 50	180	1000
TY26MX-RW	284	3.6	1.1	2 - 76	130	1000
TY244MX-RW	368	3.6	1.1	2 - 103	130	1000
TY25MX-RW	186	4.8	1.3	3.5 - 45	220	1000
TY253MX-RW	295	4.8	1.3	3.5 - 78	220	1000
TY28MX-RW	361	4.8	1.4	3.5 - 102	220	1000
TY271MX-RW	150	7.6	1.5	6 - 31	540	500
TY272MX-RW	223	6.9	1.6	6 - 50	540	500
TY27MX-RW	340	6.9	1.6	6 - 90	540	500

Technical information Flame Retardant cable ties

Material – Moulding	Polyamide 6.6
Material – Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	White
Flammability rating	UL 94 V-0
Other properties	Halogen free, Silicon free
Test Result NFF 16-101	I3F1
Test Result EN 45545-2	HL3 for R22 and R23 requirement



Product Ref.	Length	Width	Thick-ness	Bundle diameter from ... to	Minimum tensile strength	Quantity
		[mm]	[mm]	[mm]	[mm]	[Stück]
TY23MFR-RW	92	2.4	1.0	2 - 16	80	1000
TY232MFR-RW	203	2.4	1.0	2 - 50	80	1000
TY24MFR-RW	140	3.6	1.1	2 - 29	180	1000
TY25MFR-RW	186	4.8	1.1	3.5 - 45	220	1000
TY28MFR-RW	360	4.8	1.1	3.5 - 102	220	500
TY27MFR-RW	340	7.0	1.6	6 - 90	540	100

Dedicated Tooling: ERG-50 and ERG-120

A comprehensive range of tensioning and cutting tools are available:

- Economy tools for low volumes
- Semi-automatic hand tools for medium volumes

