

FLYER

## **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

# Ty-Rap® cable tie

The right cable tie for the right application



UV-resistant



Flame retardant

### Technical information: UV-resistant

- Moulding material: Polyamide 6.6
- Locking barb material: 316 grade stainless steel
- Temperature range: -60°C to +105°C
- Color: 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

### Technical information: Flame Retardant

- Moulding material: Polyamide 6.6
- Locking barb material: 316 grade stainless steel
- Temperature range: -20°C to +65°C
- Color: 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

### UV-resistant cable tie

Product code	GID Number	Length [mm]	Width [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [N]	Quantity [pieces]
TY23MX-RW	7TCG009040R0015	92	2,4	1,5 - 22	80	1000
TY232MX-RW	7TCG009040R0014	203	2,4	1,5 - 51	80	1000
TY234MX-RW	7TAG009050R0005	356	2,4	1,5 - 102	80	1000
TY24MX-RW	7TCG009130R0010	140	3,6	2 - 35	180	1000
TY242MX-RW	7TCG009130R0011	204	3,6	2 - 51	180	1000
TY26MX-RW	7TCG009120R0006	284	3,6	2 - 76	130	1000
TY244MX-RW	7TCG009130R0012	368	3,6	2 - 102	130	1000
TY25MX-RW	7TCG009210R0085	186	4,8	3 - 48	220	1000
TY253MX-RW	7TCG009220R0011	295	4,8	3 - 78	220	1000
TY28MX-RW	7TCG009210R0086	361	4,8	3 - 102	220	1000
TY271MX-RW	7TCG009450R0226	150	7,6	6 - 31	540	500
TY272MX-RW	7TAG009330R0008	223	6,9	6 - 51	540	500
TY277MX-RW	7TAG009340R0003	617	7,0	6 - 177	540	500
TY27MX-RW	7TAG009320R0006	340	6,9	6 - 102	540	500
TY29MX-RW	7TCG009330R0012	771	8,2	6 - 229	540	500

To order the small packaging please add a 5 and an R in the product reference: TY23MX-RW becomes TY523MXR-RW.

### Flame retardant cable tie

Product code	GID Number	Length [mm]	Width [mm]	Bundle diameter from ... to [mm]	Minimum tensile strength [mm]	Quantity [pieces]
TY23MFR-RW	7TCG009570R0008	92	2,4	1,5 - 22	80	1000
TY232MFR-RW	7TCG009570R0013	203	2,4	1,5 - 51	80	1000
TY24MFR-RW	7TCG009570R0009	140	3,6	2 - 35	180	1000
TY25MFR-RW	7TCG009570R0010	186	4,8	3 - 48	220	1000
TY28MFR-RW	7TCG009570R0011	360	4,8	3 - 102	220	500
TY27MFR-RW	7TCG009570R0012	340	7,0	4,8 - 95	540	100

To order the small packaging please add a 5 and an R in the product reference: TY23MFR-RW becomes TY523MFR-RW.

### 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



### ABB Inc.

Low Voltage Products  
Memphis, Tennessee  
USA

[new.abb.com/low-voltage](http://new.abb.com/low-voltage)

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