

CABLE TIES // STANDARD //

STANDARD CABLE TIES



The standard cable ties are produced exclusively in Polyamide 6.6 to avoid problems with separation of material (e.g., metals) during recycling or interference with electronic equipment.

The black cable ties are added with carbon black that gives an UV resistance for outside applications.

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free:	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.



Lloyd's Register
Marine



HALOGEN FREE

APPLICATIONS

- ▶ Electrical installations.
- ▶ Industrial wiring.
- ▶ Automotive.
- ▶ Panel building.

BENEFITS

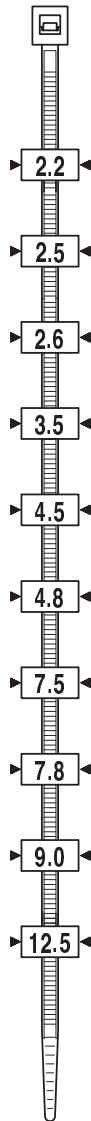
- ▶ Bent rounded tip for an easier insertion through the head of the cable ties.
- ▶ Rounded edges for the safest application.
- ▶ Low friction coefficient of the material.



LINKED PRODUCTS:

Tools for cable ties, see pages 80




STANDARD CABLE TIES

Code	Code	Dimensions*	Ø Bundle max	Tensile strength		Pack	Carton
Natural	Black	(mm)	(mm)	(kg)	(N)	pcs.	pcs.
5201/CE	5301/CE	2,2x75	15	6,12	60	100	20.000
5201E	5301E	2,2x75	15	6,12	60	1.000	80.000
5203/CE	5303/CE	2,5x98	21	8,16	80	100	15.000
5203E	5303E	2,5x98	21	8,16	80	1.000	40.000
5203/B2	5303/B2	2,5x98	21	8,16	80	20.000	20.000
5205/CE	5305/CE	2,5x135	32	8,16	80	100	12.000
5205E	5305E	2,5x135	32	8,16	80	1.000	30.000
5206/CE	5306/CE	2,6x160	40	8,16	80	100	10.000
5206E	5306E	2,6x160	40	8,16	80	1.000	25.000
5207/CE	5307/CE	2,6x200	52	8,16	80	100	8.000
5207E	5307E	2,6x200	52	8,16	80	1.000	25.000
5209/CE	5309/CE	3,5x140	32	18,36	180	100	7.000
5209E	5309E	3,5x140	32	18,36	180	1.000	20.000
5214/CE	5314/CE	3,5x200	50	18,36	180	100	7.000
5214E	5314E	3,5x200	50	18,36	180	1.000	15.000
5210/CE	5310/CE	3,5x290	80	18,36	180	100	4.500
5210E	5310E	3,5x290	80	18,36	180	500	10.000
5208E	5308E	3,5x370	103	18,36	180	100	4.000
5212/CE	5312/CE	4,5x120	24	22,44	220	100	8.000
5212E	5312E	4,5x120	24	22,44	220	1.000	20.000
5211/CE	5311/CE	4,5x160	40	22,44	220	100	6.000
5211E	5311E	4,5x160	40	22,44	220	1.000	15.000
5213/CE	5313/CE	4,8x178	45	22,44	220	100	5.000
5213E	5313E	4,8x178	45	22,44	220	1.000	12.000
5215/CE	5315/CE	4,5x200	50	22,44	220	100	4.000
5215E	5315E	4,8x200	50	22,44	220	1.000	10.000
5216/CE	5316/CE	4,8x250	68	22,44	220	100	4.500
5217E	5317E	4,5x290	78	22,44	220	100	3.500
5219E	5319E	4,5x360	100	22,44	220	100	3.000
5218E	5318E	4,8x390	106	22,44	220	100	5.000
5220E	5320E	4,5x430	115	22,44	220	100	5.000
5223E	5323E	7,8x180	45	55,08	540	100	2.500
5225E	5325E	7,8x240	63	55,08	540	100	2.000
5226E	5326E	7,8x300	80	55,08	540	100	1.500
5227E	5327E	7,5x365	100	55,08	540	100	1.500
5229E	5329E	7,5x450	130	55,08	540	100	2.500
5231E	5331E	7,5x540	158	55,08	540	100	2.000
5233E	5333E	7,5x750	220	55,08	540	100	1.200
5234E	5334E	9,0x780	233	71,4	700	100	1.000
5235E	5335E	12,5x225	57	110	1.080	50	2.000
5237E	5337E	12,5x500	143	110	1.080	50	1.000
5239E	5339E	12,5x720	213	110	1.080	50	600
5241E	5341E	12,5x850	255	110	1.080	50	600
5243E	5343E	12,5x1.000	302	110	1.080	50	500

* The nominal dimensions can slightly change according to the utilized mould

CABLE TIES // SPECIALS //

UV RESISTANT CABLE TIES



These cable ties are made in polyamide 6.6 with special additives that assures an extra resistance to UV rays; they are tested according to the norm CEI EN 62275 and the test method used, according to ISO 4892-2, simulates a condition equivalent to an exposition to solar radiance of at least 10 years in a region of South European Countries. The UV and weather resistant cable ties meet all the tests defined by the norm and maintain, after the test conditions, the 100% of the declared tensile strength (type 2 classification - point 6.2.2 of the standard).

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 105°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	high UV resistance (DNV certification), excellent resistance to aromatic solvents, oils, greases, petroleum products, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.



APPLICATIONS

- ▶ Photovoltaic installations.
- ▶ Outdoor installations.
- ▶ Industrial wiring.

BENEFITS

- ▶ Excellent resistance to UV rays.
- ▶ Bent rounded tip for an easier insertion through the head of the cable ties.
- ▶ Rounded edges for the safest application.
- ▶ Suitable for photovoltaic installations.

WEATHER RESISTANT CABLE TIES - EXTRA UV

Code	Dimensions*	Ø Bundle max	Tensile strength		Pack	Carton
			(kg)	(N)		
Black	(mm)	(mm)			pcs.	pcs.
5303/C UVE	2,5x98	21	8,16	80	100	15.000
5309/C UVE	3,5x140	32	18,36	180	100	7.000
5314/C UVE	3,5x200	50	18,36	180	100	7.000
5315/C UVE	4,8x200	50	22,44	220	100	4.000
5317 UVE	4,5x290	78	22,44	220	100	3.500
5327 UVE	7,5x365	100	55,08	540	100	1.500

* The nominal dimensions can slightly change according to the utilized mould



LINKED PRODUCTS:

Tools for cable ties, see pages 80



HEAT RESISTANT CABLE TIES



These cable ties, made of polyamide 6.6 with special additives, can be used in environments where a resistance to high temperature is required (125°C continuous, 150°C for 500h). They are available in black and natural color; this last has an aquamarine color shade depending on the physical characteristics of the raw material.

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 125°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	excellent resistance to high temperatures. high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.

HALOGEN FREE

APPLICATIONS

- ▶ Automotive (engine compartment).
- ▶ Use at high temperature.
- ▶ Industrial wiring.

BENEFITS

- ▶ Excellent resistance to high temperatures.
- ▶ Bent rounded tip for an easier insertion through the head of the cable ties.
- ▶ Rounded edges for the safest application.

HEAT RESISTANT CABLE TIES

Code	Code	Dimensions*	Ø Bundle max	Tensile strength		Pack	Carton
Natural	Black	(mm)	(mm)	(kg)	(N)	pcs.	pcs.
5203/C TE	5303/C TE	2,5x98	21	8,16	80	100	15.000
5209/C TE	5309/C TE	3,5x140	32	18,36	180	100	7.000
5214/C TE	5314/C TE	3,5x200	50	18,36	180	100	7.000
5215/C TE	5315/C TE	4,8x200	50	22,44	220	100	4.000
5217 TE	5317 TE	4,5x290	78	22,44	220	100	3.500
5227 TE	5327 TE	7,5x365	100	55,08	540	100	1.500

* The nominal dimensions can slightly change according to the utilized mould



LINKED PRODUCTS:

Tools for cable ties, see pages 80



CABLE TIES // SPECIALS //

SELF-EXTINGUISHING CABLE TIES



The self-extinguishing V0 cable ties, made of polyamide 6.6 with additives, can be used where the auto extinguishing performance is required. They conform with UL-94 V0 and GW 960°C standards and the halogen and phosphorus free material avoids toxic emission in event of fire.

TECHNICAL DATA

Raw material:	polyamide 6.6 white.
Halogen-free	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V0.
Resistance to external agents:	high flammability resistance, excellent resistance to aromatic solvents, oils, greases, petroleum products, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.
UNI CEI 11170-3 certification relating to the assessment of the fire behaviour of the electrical components in rail vehicles.

HALOGEN FREE

APPLICATIONS

- ▶ Electrical applications in the rail industry and shipbuilding.
- ▶ Civil and industrial installations with higher risk in case of fire (cinema, theatre).

BENEFITS

- ▶ Excellent flame resistance.
- ▶ Low smoke emission.
- ▶ Bent rounded tip for an easier insertion through the head of the cable ties.
- ▶ Rounded edges for the safest application.

SELF-EXTINGUISHING CABLE TIES (UL94 - V0) - GW 960°C

Code	Dimensions* (mm)	Ø Bundle max (mm)	Tensile strength		Pack pcs.	Carton pcs.
			(kg)	(N)		
White						
5203/C V0E**	2,5x98	21	8,16	80	100	15.000
5209/C V0E**	3,5x140	32	18,36	180	100	7.000
5214/C V0E	3,5x200	50	18,36	180	100	7.000
5215/C V0E	4,8x200	50	22,44	220	100	4.000
5217 V0E	4,5x290	78	22,44	220	100	3.500
5227 V0E	7,5x365	100	55,08	540	100	1.500

* The nominal dimensions can slightly change according to the utilized mould

** Art. on request - minimum order quantity: 1 carton



LINKED PRODUCTS:

Tools for cable ties, see pages 80



DETECTABLE CABLE TIES

BY METAL DETECTOR OR X-RAY



These cable ties are made with polyamide 6.6 added with iron oxide, providing magnetic properties throughout, allow identification by metal detector or X-ray inspection equipment to meet food, beverage and pharmaceutical safety standard on reducing product contaminations. The blue color allows an easier identification even with visual inspection. This allow the manufacturers of food and pharmaceutical companies to respect the FDA's Hazard Analysis and Critical Control Point (HACCP) systems standards by preventing any contamination.



TECHNICAL DATA

Raw material:	polyamide 6.6 blue added with iron oxide.
Halogen-free	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-5°C ÷ 60°C.
Flammability rating:	UL 94 class HB.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.

HALOGEN FREE

APPLICATIONS

- ▶ To fix wires in electrical equipment in food industries, pharmaceutical and wherever there is a risk of contamination by external agents (Directive HACCP).
- ▶ These cable ties are not suitable for food contact.

BENEFITS

- ▶ Material easily detectable by metal detectors, X-rays and visually.
- ▶ Bent rounded tip for an easier insertion through the head of the cable ties.
- ▶ Rounded edges for the safest application.

DETECTABLE CABLE TIES

Code	Dimensions* (mm)	Ø Bundle max (mm)	Tensile strength		Pack pcs.	Carton pcs.
			(kg)	(N)		
5203/C DTE	2,5x98	21	8,16	80	100	15.000
5209/C DTE	3,5x140	32	18,36	180	100	7.000
5214/C DTE	3,5x200	50	18,36	180	100	7.000
5215/C DTE	4,8x200	50	22,44	220	100	4.000
5217 DTE	4,5x290	78	22,44	220	100	3.500
5219 DTE	4,5x360	100	22,44	220	100	3.000
5227 DTE	7,5x365	100	55,08	540	100	1.500

* The nominal dimensions can slightly change according to the utilized mould



LINKED PRODUCTS:

Tools for cable ties, see pages 80



CABLE TIES // SPECIALS //

COLOURED CABLE TIES



These cable ties are manufactured exclusively in Polyamide 6.6 to avoid problems with separation of material (e.g., metals) during recycling or interference with electronic equipment.

Enable to differentiate and identify power lines or circuits, or other applications where a different colour is required.

TECHNICAL DATA

Raw material:	polyamide 6.6 added with coloured master.
Halogen-free:	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class HB.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

HALOGEN FREE

COLOURED CABLE TIES

Code		Dimensions*	Ø Bundle max	Tensile strength		Pack	Carton
				(mm)	(mm)		
5203/C RE	●	2,5x98	21	8,16	80	100	15.000
5209/C RE	●	3,5x140	32	18,36	180	100	7.000
5214/C RE	●	3,5x200	50	18,36	180	100	7.000
5215/C RE	●	4,8x200	50	22,44	220	100	4.000
5217 RE	●	4,5x290	78	22,44	220	100	3.500
5203/C GE	●	2,5x98	21	8,16	80	100	15.000
5209/C GE	●	3,5x140	32	18,36	180	100	7.000
5214/C GE	●	3,5x200	50	18,36	180	100	7.000
5215/C GE	●	4,8x200	50	22,44	220	100	4.000
5217 GE	●	4,5x290	78	22,44	220	100	3.500
5203/C VE	●	2,5x98	21	8,16	80	100	15.000
5209/C VE	●	3,5x140	32	18,36	180	100	7.000
5214/C VE	●	3,5x200	50	18,36	180	100	7.000
5215/C VE	●	4,8x200	50	22,44	220	100	4.000
5217 VE	●	4,5x290	78	22,44	220	100	3.500
5203/C BE	●	2,5x98	21	8,16	80	100	15.000
5209/C BE	●	3,5x140	32	18,36	180	100	7.000
5214/C BE	●	3,5x200	50	18,36	180	100	7.000
5215/C BE	●	4,8x200	50	22,44	220	100	4.000
5217 BE	●	4,5x290	78	22,44	220	100	3.500

Other colours and dimensions available on request.

* The nominal dimensions can slightly change according to the utilized mould

CABLE TIES // IDENTIFICATION //

IDENTIFICATION CABLE TIES

The polyamide 6.6 cable ties with marking plate allow a quick identification through specific marking on the plate.
The positioning of the plate would be inside or outside the bundles of cables, depending on which code you choose.

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free:	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids: not resistant to phenols and to chloride solvents.

APPLICATIONS

- ▶ Electrical installations.
- ▶ Industrial wiring.
- ▶ Automotive.
- ▶ Panel building.
- ▶ Special applications.

APPROVALS/CERTIFICATIONS

HALOGEN FREE

CABLE TIES // IDENTIFICATION //

IDENTIFICATION CABLE TIES



IDENTIFICATION CABLE TIES

Code	Dimensions	Plate height	Plate width	Ø Bundle max	Tensile strength		Pack	Carton
	(mm)	(mm)	(mm)		(kg)	(N)		
52100-ME	2,5x100	8	25,4	20	8,16	80	100	10.000
52200-ME	2,5x200	8	25,4	50	8,16	80	100	7.500

CABLE TIES // IDENTIFICATION //

IDENTIFICATION CABLE TIES



IDENTIFICATION CABLE TIES

Code	Dimensions	Plate height	Plate width	Ø Bundle max	Tensile strength		Pack	Carton
	(mm)	(mm)	(mm)		(kg)	(N)		
52190-ME	4,8x190	28	13	50	22,44	220	100	5.000
52270-ME	4,8x270	28	13	75	22,44	220	100	4.000

CABLE TIES // IDENTIFICATION //

IDENTIFICATION CABLE TIES



IDENTIFICATION CABLE TIES

Code	Dimensions	Plate height	Plate width	Ø Bundle max	Tensile strength		Pack	Carton
	(mm)	(mm)	(mm)		(kg)	(N)		
52110-ME	2,5x110	9,1	20,4	20	8,16	80	100	10.000
52210-ME	2,5x210	9,1	20,4	52	8,16	80	100	10.000

CABLE TIES // FOR PANELS //

CABLE TIES FOR PANELS

The polyamide 6.6 push mount cable ties are used for fixing cables to panels with thickness up to 3 mm. The Polyamide 6.6 cable ties with mounting hole, instead, are used for bundling the cables with a screw or bolt.

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free:	
Humidity absorption:	2,7% [50% relative humidity].
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPLICATIONS

- ▶ Electrical installations.
- ▶ Industrial wiring.
- ▶ Automotive.
- ▶ Panel building.
- ▶ Special applications.

APPROVALS/CERTIFICATIONS

HALOGEN FREE

PUSH MOUNT CABLE TIES



PUSH MOUNT CABLE TIES FOR PANELS

Code	Dimensions	Ø Hole	Panel Thickness	Ø Bundle max	Tensile strength		Pack	Carton
Natural	(mm)	(mm)	(mm)	(mm)	(kg)	(N)	pcs.	pcs.
52155-ME	3,5x150	5,5	2,7	38	13,26	130	100	7.500
52199-ME	3,5x200	5,5	2,7	50	13,26	130	100	5.000
52205-ME	4,5x200	6,3	3	50	22,44	220	100	5.000

CABLE TIES WITH MOUNTING HOLE



CABLE TIES WITH MOUNTING HOLE FOR PANELS

Code	Dimensions	Ø Bundle max	Tensile strength		Ø Hole	Pack	Carton
Natural	(mm)	(mm)	(kg)	(N)	(mm)	pcs.	pcs.
52150-IE	3,5x150	32	13,26	130	4,4	100	10.000
52200-IE	3,5x200	49	13,26	130	4,4	100	5.000
52150-SE	4,5x150	32	22,44	220	5,4	100	7.500
52200-SE	4,5x200	47	22,44	220	5,4	100	5.000
52200-HE	7,5x200	44	55,08	540	6	100	3.000
52300-HE	7,5x300	75	55,08	540	6	100	2.000
52380-HE	7,5x380	101	55,08	540	6	100	2.000

CABLE TIES // RELEASABLE //

RELEASABLE CABLE TIES



The polyamide 6.6 releasable cable ties allow a quick and simple release of the ties. They are ideal for temporary installations or when the addition or removal of cables is required.

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free:	
Humidity absorption:	2,7% (50% relative humidity).
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

HALOGEN FREE

RELEASABLE CABLE TIES

Code	Code	Dimensions		Ø Bundle max	Tensile strength		Pack	Carton
		(mm)	(mm)		(kg)	(N)		
Natural	Black							
5250E	5350E	7,5x200	50	22,44	220	100	6.000	
5252E	5352E	7,5x250	65	22,44	220	100	4.000	
5254E	5354E	7,5x350	100	22,44	220	100	3.500	

Available, on request, coloured (red, yellow, green, blue)

COLSPEED CABLE TIES



Colspeed cable ties are produced in Polyamide 6.6. The flat head, the high surface and the closing system with external teeth of these cable ties, make them particularly suitable for applications on suspended lines, avoiding problems of insulation damage.

In the Colspeed cable ties the added carbon black gives an UV resistance higher than the natural ones.

TECHNICAL DATA

Raw material:	polyamide 6.6.
Halogen-free:	
Humidity absorption:	2,7% [50% relative humidity].
Working temperature:	-40°C ÷ 85°C.
Installation temperature:	-10°C ÷ 60°C.
Flammability rating:	UL 94 class V2.
Resistance to external agents:	high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.



APPLICATIONS

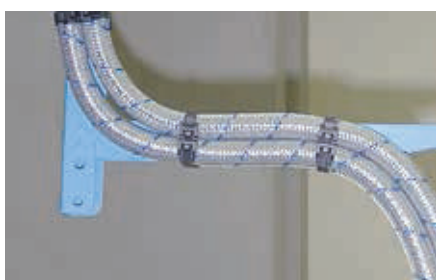
- ▶ Electrical installations.
- ▶ Industrial wiring.
- ▶ Automotive.
- ▶ Panel building.
- ▶ Special applications where a high resistance is required.

BENEFITS

- ▶ Hard to release.
- ▶ Limited insertion effort.
- ▶ Rounded edges for the safest application.
- ▶ Bent rounded tip for an easier insertion.
- ▶ The cable ties can be closed by hand, without the dedicated tool.

COLSPEED CABLE TIES

Code	Dimensions	Head	Ø Bundle max	Tensile strength		Pack	Carton
	(mm)			(kg)	(N)		
6501E	8,8X200	SINGLE	40	40,80	400	100	4.000
6502E	8,8X290	DOUBLE	70	59,16	580	100	2.500
6503E	8,8X380	DOUBLE	100	59,16	580	100	2.000



LINKED PRODUCTS:

Tools for cable ties, see pages 80



INSTALLATIONS CABLE TIES //

BELTURING PLUS CABLE TIES



Belturing Plus cable ties are produced in a special techno-polymer that gave them an extra UV resistance according to the norm CEI EN 62275 (ISO 4892-2, method A - 1000 hours simulating a condition equivalent to an exposition to solar radiance of at least 10 years in a region of South European Countries. Belturing Plus cable ties meet all the tests defined by the norm and maintain, after the test conditions, the 50% of the declared tensile strength (type 1 classification - point 6.2.1 of the standard). The flat head, the high surface and the closing system with external teeth of the cable ties make them particularly suitable for applications on suspended lines, avoiding problems of insulation damage. The particular closing system, which ensures a high resistance to reopening, makes necessary the application with a dedicated tool.

They are therefore recommended in outdoor applications for special climatic conditions and a prolonged UV exposure making them ideal for photovoltaic installations.

TECHNICAL DATA

Raw material:	technopolimer.
Halogen-free.	
Humidity absorption:	<1%.
Working temperature:	-45°C ÷ 85°C.
Installation temperature:	-30°C ÷ 60°C.
Flammability rating:	UL 94 class HB.
Resistance to external agents:	excellent resistance to UV ray (DNV certificate). high resistance to aromatic solvents, oils, greases, oil derivatives, good resistance to bases, limited resistance to acids; not resistant to phenols and to chloride solvents.

APPROVALS/CERTIFICATIONS

Compliant with norm CEI EN 62275.



Lloyd's Register
Marine



HALOGEN FREE

APPLICATIONS

- ▶ Electrical installations.
- ▶ Photovoltaic installations.
- ▶ Industrial wiring.
- ▶ Heavy-duty applications.
- ▶ External applications.

BENEFITS

- ▶ Highly withstands climatic changes, also in sea-areas.
- ▶ Excellent resistance to UV rays.
- ▶ Can be used in temporary position, which allows the re-opening.
- ▶ A very practical box that can easily be hung to your belt. Its convenient upper opening, very easy to be reclosed, allows the quickest picking-up of the product and the best protection from dust.

INSTALLATION METHOD



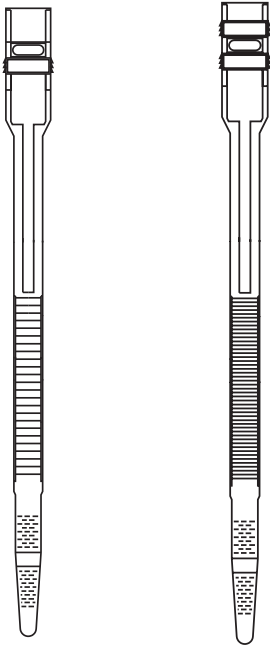
1. Temporary installation (releasable).
2. Definitive installation



LINKED PRODUCTS:

Tools for cable ties, see pages 80




BELTURING PLUS CABLE TIES - SINGLE HEAD

Code	Dimensions	Ø Bundle max	Tensile strength		Pack	Carton
Black	(mm)	(mm)	(kg)	(N)	pcs.	pcs.
6449XE	6x115	25	28,56	280	100	7.000
6450XE	6x180	45	28,56	280	100	4.800
6452XE	6x290	78	28,56	280	100	3.500
6454XE	6x360	100	28,56	280	100	1.500
6447XE	9x132	27	39,78	390	100	4.800
6451XE	9x180	40	39,78	390	100	4.800

BELTURING PLUS CABLE TIES - DOUBLE HEAD

Code	Dimensions	Ø Bundle max	Tensile strength		Pack	Carton
Black	(mm)	(mm)	(kg)	(N)	pcs.	pcs.
6453XE	9x260	60	55,08	540	100	2.000
6448XE	9x300	80	55,08	540	100	1.500
6455XE	9x360	93	55,08	540	100	1.500
6456XE	9x510	140	55,08	540	100	800
6457XE	9x760	220	55,08	540	100	400