

NORMAFIX® CABLE TIES

Quick and safe securing of cables in material PA 6.6

Cable tie for securing cables in electrical installations, industrial wiring, automotive, etc. Made of polyamide 6.6. Resistant to extreme temperatures and numerous external agents. Quick and safe assembly. The black cable tie offers excellent resistance to UV rays thanks to added "carbon black".

Material with a low coefficient of friction and enlarged end

- faster installation

Made of Polyamide 6.6

- optimum resistance to extreme temperatures, bases, oils, greases etc.

Rounded and smooth edges

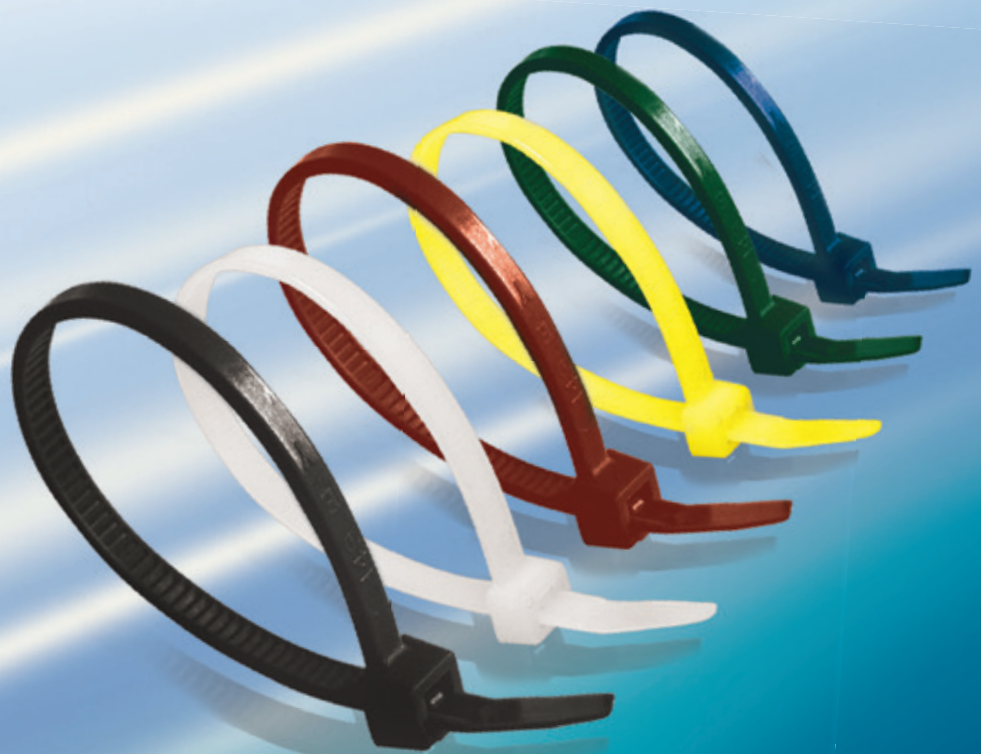
- easy and safe assembly

Variety of colors

- available in: black, white, red, yellow, green, blue.

"Carbon Black" added in Black cable tie flange

- increased resistance to UV rays
- suitable for outdoor use



Advantages at a glance

- Smooth rounded edges make them easier to handle and safer to install.
- Bent rounded tip allows easier insertion through the head of the cable ties.
- Low friction co-efficient of the material.

Applications

- Electrical installations
- Industrial cabling
- Automotive cabling
- Marine cabling
- Panel building
- Special applications

NORMAFIX® CABLE TIES

Versions



Colors

black, white, red, yellow, green, blue

Materials & Technical data

Material

Polyamide 6.6

Characteristics of raw material polyamide PA 6.6

Working temperature:	-45°C to 85°C
Tightening temperature:	-10°C to 60°C
Max admissible point:	120°C*
Melting temperature:	256°C
Limiting Oxygen Index (LOI):	27%
Recovery of moisture:	2,7% to 50% relative humidity
Halogen free:	Evaluated according EN 50146. Flame retardancy according to UL 94-V2

*(for a short time)

Resistance to external agents

Excellent resistance to aromatic solvents, bases, oils, fat, petroleum products

Keep limited contact with acid

Not resistant to phenol and chlorinated solvents

Resistance to UV (black colored cable ties)*

*The black cable ties are loaded with carbon black, they therefore have a UV resistance according to the standard ISO QUV-B 4892 (150 hours), equivalent to 3 years of exposure to sunlight. They are also particularly recommended for external applications.

EC directives

The material used to produce our cable ties complies with the following EC directives:

2000/53/EC (VHU)

2002/95/EC (RoHS)

2002/96/EC (DEEE)

2003/11/EC

NORMAFIX® CABLE TIES

Sizes & strength

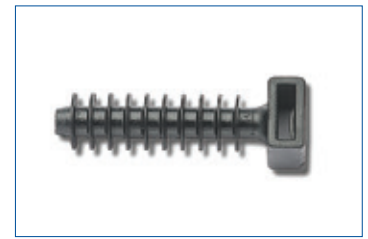
NORMAFIX® Cable Tie PA 6.6								
Measures mm Width x Length	Ø Bundle max (mm)	Tensile strength	White	Black	Red	Yellow	Green	Blue
2.5 x 98	21 mm	8 Kgs	X	X	X	X	X	X
2.6 x 160	40 mm	8 Kgs	X	X				
2.6 x 200	52 mm	8 Kgs	X	X				
3.5 x 140	35 mm	13 Kgs	X	X	X	X	X	X
3.5 x 200	50 mm	13 Kgs	X	X	X	X	X	X
3.5 x 290	80 mm	13 Kgs	X	X				
3.5 x 370	103 mm	13 Kgs	X	X				
4.5 x 120	24 mm	20 Kgs	X	X				
4.5 x 160	40 mm	20 Kgs	X	X				
4.8 x 178	45 mm	22 Kgs	X	X				
4.8 x 200	50 mm	22 Kgs	X	X	X	X	X	X
4.8 x 250	68 mm	22 Kgs	X	X				
4.5 x 290	79 mm	22 Kgs	X	X	X	X	X	X
4.5 x 360	103 mm	22 Kgs	X	X				
4.8 x 390	106 mm	22 Kgs	X	X				
4.5 x 430	115 mm	22 Kgs	X	X				
7.8 x 180	45 mm	55 Kgs	X	X				
7.8 x 240	63 mm	55 Kgs	X	X				
7.8 x 300	80 mm	55 Kgs	X	X				
7.5 x 365	100 mm	55 Kgs	X	X				
7.5 x 450	130 mm	55 Kgs	X	X				
7.5 x 540	158 mm	55 Kgs	X	X				
7.5 x 750	200 mm	55 Kgs	X	X				
9 x 780	233 mm	77 Kgs	X	X				
12.5 x 500	143 mm	110 Kgs	X	X				
12.5 x 1000	302 mm	110 Kgs	X	X				

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Accessories

Wall plug bases for cable ties

For the fixing of cables and pipes to walls. Very easy installation for cable ties up to 9 mm width.



WALL PLUG BASES FOR CABLE TIES				
Denomination	Base (mm)	White	Black	Grey
Without fins	8	X	X	
With fins	6	X	X	X
With fins	8	X	X	X

Mounting bases for cable ties

Easy to apply adhesive bases for cable ties up to 4,8 mm width.



MOUNTING BASES FOR CABLE TIES				
Band width (mm)	Dimension L x W (mm)	Height (mm)	Black	Grey
> 3.6	19 x 19	5	X	X
> 4.8	29 x 27	6.5	X	X

Tools

For cable tie PA 6.6



From 2,2 to 4,8 mm



From 4,8 to 7,8 mm

NORMAFIX® CABLE TIES

Installation of Cable Ties

Manual installation of Cable Ties



Insert the tip of the tie.



Tighten manually the tie till complete fixing of the cables.



Avoid sharp bending of the tie, it will not improve the fixing strength.



Cut the excess part of the tie, with a few millimeters of safety length.

Tool installation of standard cable ties



Set the max tension of the tool depending on the size of the tie.



Grip the tie with the tool.



Tighten the tie till complete fixing of the cables.



Cut the excess part of the tie.



NORMA Group

Postfach 11 49 · D-63461 Maintal
Edisonstraße 4 · D-63477 Maintal

Tel: +49 (61 81) 4 03-0
Fax: +49 (61 81) 4 03-210

www.normagroup.com
info@normagroup.com

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