

Tying and fixing  
system

# Cable ties

# 22

raw material

**U61X / U60X**

colour

**Black**

**Natural**

**Grey**

## For tying of cables and conduits

- Complete product family for all kind of applications.
- **Hand thread**, easier mounting at site.
- Certified Product by the most stringent certification bodies.
- Insulating material: **halogen free**.
- High tensile strength.

### Raw material

### Black colour



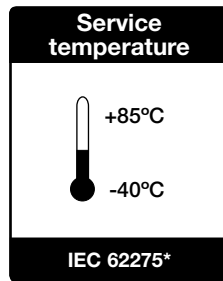
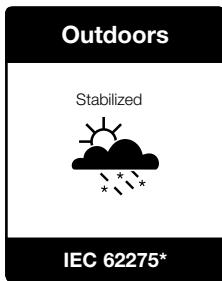
Cable ties



Compliant



### Technical characteristics



- For outdoor and indoor installations.

### Raw material

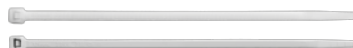
### Natural and grey RAL 7035 colour



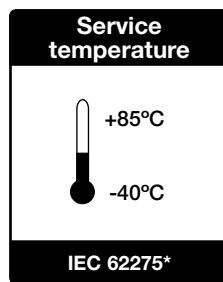
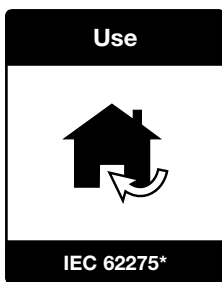
Cable ties



Compliant



### Technical characteristics



- For indoor installations.

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.



Colour

**Black**

**Natural**

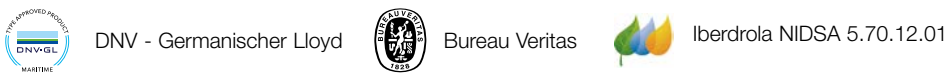
**Grey**

**RAL 7035**

Quality marks



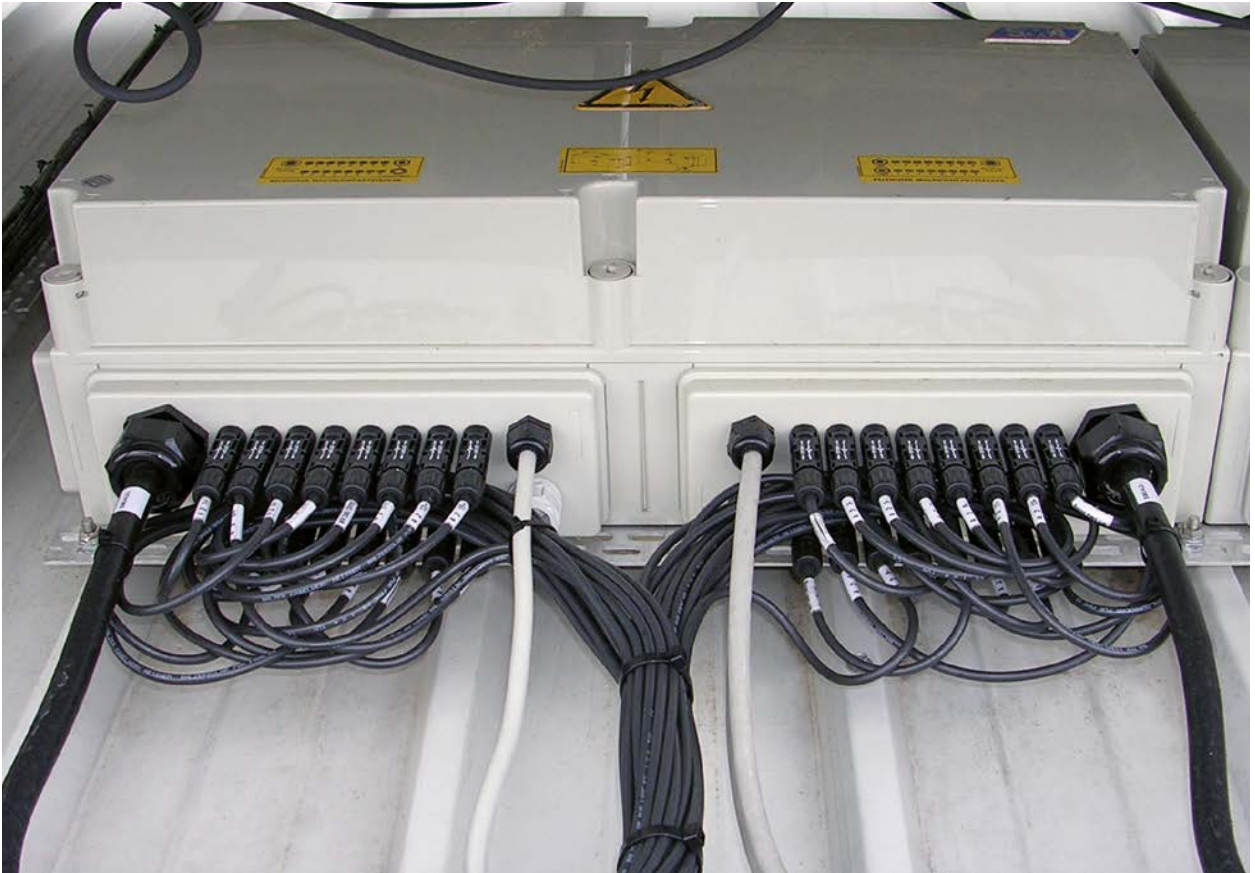
Approvals



Conformity declaration



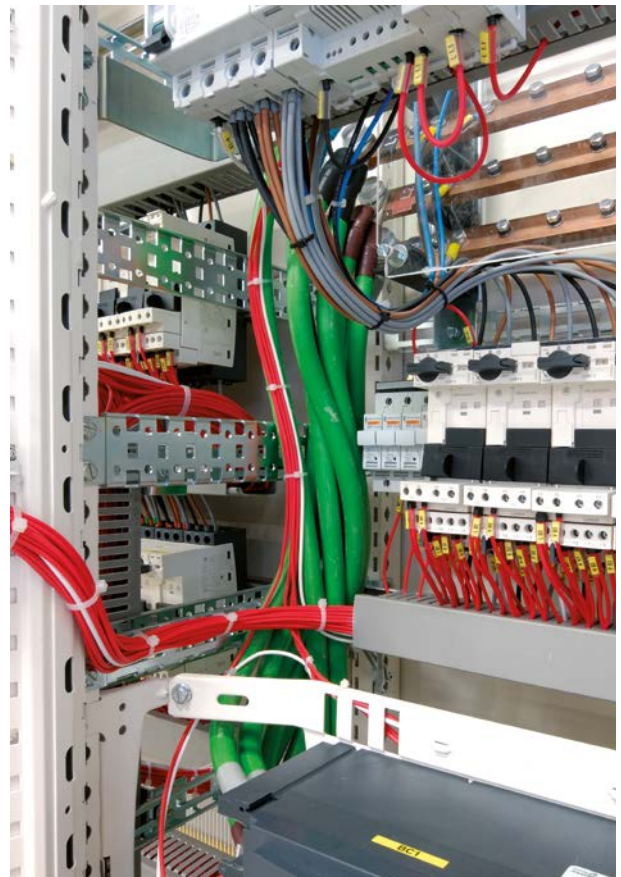
See updated technical information of each part number on [www.unex.net](http://www.unex.net)



Photovoltaics



Tunnels and railway infrastructure

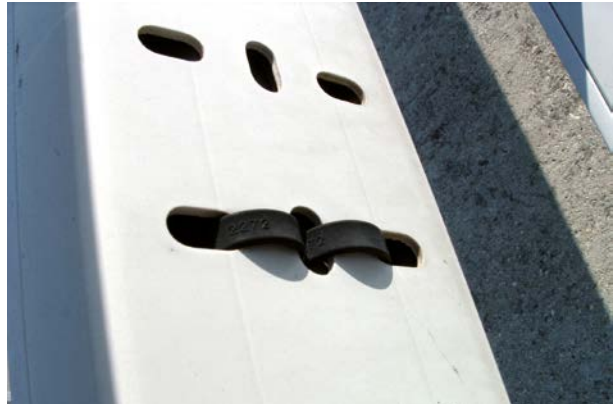


Tunnels and railway infrastructure





Work spaces: office



Water treatment



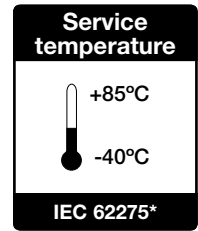
Photovoltaics



Airport: fingers

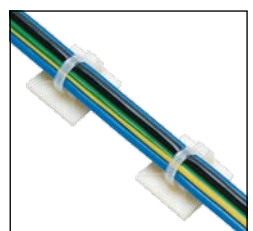
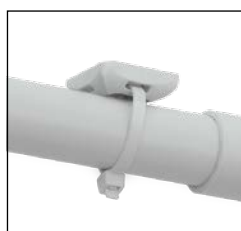
# Complete product family for all types of applications

- 14 sizes of cable ties to cover a diameter scope from 1.6 mm to 362 mm.
- High tensile strength acc./IEC 62275\*.
- Good performance at low temperatures.



Compatible with other Unex solutions

## Fixings 25



## Fixings 26

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.

# A product with added value

## Easy mounting and smooth threading

Unex cable ties are easy to thread, allowing quick and effortless manual assembly. Finger-friendly rounded ends.



## Insulating locking mechanism

Highly resistant, assures easy fixing and tightening of the cable tie.



## Inside teeth

Inside flush teeth, assuring tightening and protecting the cable jacket.



## Quality marks

The quality of Unex cable ties is recognized by the most stringent quality marks and approvals.

UL approval both for raw material and finished product.



Approvals:



See updated quality marks of each part number on [www.unex.net](http://www.unex.net)



## Big size cable ties - Applications

Unex has completed the cable ties product family with 2 new big sizes: 12.7x1000 mm. and 12.7x1200 mm., for special applications in which a large tying diameter is required. All sizes are available in our stock.

### Buried pipes

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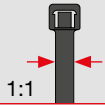
## Industrial HVAC

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Width 2.5 mm



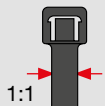
Cable ties sizes (width x length)

2.5x101

2.5x190

<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2221-0</b>	<b>2225-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2221</b>	<b>2225</b>

Width 3.6 mm



Cable ties sizes (width x length)

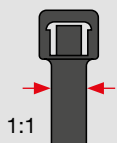
3.6x142

3.6x199

3.6x279

<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2233-0</b>	<b>2235-0</b>	<b>2237-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2233</b>	<b>2235</b>	<b>2237</b>
<p><b>U60X</b> Grey RAL 7035</p>	<p><b>Cable ties for indoor use</b></p>	<b>2233-3</b>		

Width 4.8 mm



Cable ties sizes (width x length)

4.8x188

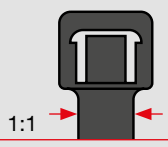


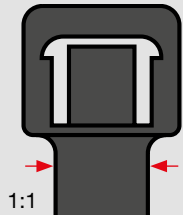

4.8x287

4.8x370

<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2244-0</b>	<b>2247-0</b>	<b>2249-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2244</b>	<b>2247</b>	<b>2249</b>
<p><b>U60X</b> Grey RAL 7035</p>	<p><b>Cable ties for indoor use</b></p>	<b>2244-3</b>	<b>2247-3</b>	

Note: Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, UV rays, mounting way, etc.), the particular atmosphere of certain installations must be individually studied with a specific test.

See next page

Width 7.6 mm 		Cable ties sizes (width x length)			
		7.6x218	7.6x299	7.6x376	7.6x709
	<b>Cable ties for outdoor use</b> Weather-stabilized	<b>2271-0</b>	<b>2272-0</b>	<b>2273-0</b>	<b>2278-0</b>
	<b>Cable ties for indoor use</b>	<b>2271</b>	<b>2272</b>	<b>2273</b>	<b>2278</b>
Width 12.7 mm 		Cable ties sizes (width x length)			
		12.7x1000	12.7x1200		
	<b>Cable ties for outdoor use</b> Weather-stabilized	<b>2296-0</b>	<b>2298-0</b>		

Note: Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, UV rays, mounting way, etc.), the particular atmosphere of certain installations must be individually studied with a specific test.

## Sales possibilities

New presentation: easy-to-open bags for cable ties and fixing elements.



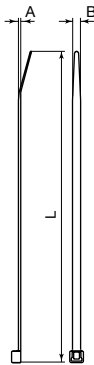
### Dimensions

HEIGHT	220 cm
WIDTH	70 cm
DEPTH	45 cm



### Sizes (mm)

#### 1. Cable ties for indoor and outdoor installations (black)



Part. no.	Sizes mm			ø Use mm		Resistance s/IEC 62275 kg	62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
2221-0	1	2.5	101	22	1.6	8.16	80	MS 3367-4
2225-0	1	2.5	190	50	1.6	8.16	80	*
2233-0	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
2235-0	1.2	3.6	199	50	1.6	13.6	130	*
2237-0	1.2	3.6	279	76	1.6	13.6	130	*
2244-0	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
2247-0	1.4	4.8	287	76	1.6	22.6	220	MS 3367-7
2249-0	1.4	4.8	370	102	1.6	22.6	220	MS 3367-2
2271-0	1.8	7.6	218	50	4.8	54.4	530	*
2272-0	1.8	7.6	299	76	4.8	54.4	530	*
2273-0	1.8	7.6	376	102	4.8	54.4	530	MS 3367-3
2278-0	1.8	7.6	709	203	4.8	54.4	530	MS 3367-6
2296-0	2	12.7	1000	298	70	117.3	1150	*
2298-0	2	12.7	1200	362	70	117.3	1150	*

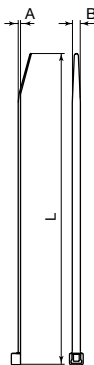
Colour: Black

Material: U61X suitable for outdoors

\* Cable ties without the MS designation fulfil the conditions set in the standards for models of the same width. The only change is the bundle diameter.

Note: It is recommended to keep the bag closed until use.

#### 2. Cable ties for indoor use (natural)



Part. no.	Sizes mm			ø Use mm		Resistance s/IEC 62275 kg	62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
2221	1	2.5	101	22	1.6	8.16	80	MS 3367-4
2225	1	2.5	190	50	1.6	8.16	80	*
2233	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
2235	1.2	3.6	199	50	1.6	13.6	130	*
2237	1.2	3.6	279	76	1.6	13.6	130	*
2244	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
2247	1.4	4.8	287	76	1.6	22.6	220	MS 3367-7
2249	1.4	4.8	370	102	1.6	22.6	220	MS 3367-2
2271	1.8	7.6	218	50	4.8	54.4	530	*
2272	1.8	7.6	299	76	4.8	54.4	530	*
2273	1.8	7.6	376	102	4.8	54.4	530	MS 3367-3
2278	1.8	7.6	709	203	4.8	54.4	530	MS 3367-6

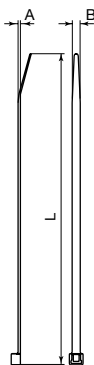
Colour: Natural

Material: U60X

\* Cable ties without the MS designation fulfil the conditions set in the standards for models of the same width. The only change is the bundle diameter.

Note: It is recommended to keep the bag closed until use.

#### 3. Cable ties for indoor use (grey RAL 7035)



Part. no.	Sizes mm			ø Use mm		Resistance s/IEC 62275 kg	62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
2233-3	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
2244-3	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
2247-3	1.4	4.8	287	76	1.6	22.6	220	MS 3367-7

Colour: Grey RAL 7035

Material: U60X

Note: It is recommended to keep the bag closed until use.