

## Technical data



Cable ties **22** in **U60X**

### Description

- For tying of cables and conduits for indoor use. <sup>(1)</sup>
- Hand thread, easier mounting at site.
- High tensile strength.
- UL approval for finished product.
- Inside teeth.
- Own raw material. Insulating halogen free material.
- RoHS-Compliant.
- Colour: Natural.

### Quality Marks <sup>(2)</sup>



EN 62275:2009  
Licence n°: 030/001929



EN 62275:2009  
Licence n°: 670605



EN 62275:2015  
Licence n°:40011920



File E 75725 (M) <sup>(3)</sup>



File E 75725 (M)



GOST  
R 50827:2009  
Part 1 to 5  
Licence  
n°: POCC ES  
AF19.H01718

### Approvals <sup>(2)</sup>



Certificat d'Approbation de  
type n° 2535D/04934/H0/BV



Certificat d'Approbation de  
type n° 2535D/04934/H0/BV



<sup>(4)</sup>

Según NI 5.70.12.01  
Abrazaderas para cables  
aislados y aplicaciones  
varias

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### Characteristics

#### EN 62275:2015

|   |   |
|---|---|
| Component   | Non metallic.   |
| Minimum installation temperature                  | -30°C   |
| Service temperature                               | -40°C a +85°C   |
| Contribution to fire                              | Non-flame propagation.  |
| Resistance to UVs                                 | Not Declared.   |
| Resistance to traction (minimum tensile strength) | <ul style="list-style-type: none"> <li>▪ 8,16 Kg for cable ties of 2,5 mm</li> <li>▪ 13,6 Kg for cable ties of 3,6 mm</li> <li>▪ 22,6 Kg for cable ties of 4,8 mm</li> <li>▪ 54,4 Kg for cable ties of 7,6 mm</li> <li>▪ Type 1: cable ties of 2,5 mm and 3,6mm .</li> <li>▪ Type 2: cable ties of 4,8 mm and 7,6mm.</li> </ul>   |
| Max./Min. application diameter                    | <ul style="list-style-type: none"> <li>▪ 2221: 22mm / 1,6mm</li> <li>▪ 2225: 50mm / 1,6mm</li> <li>▪ 2233: 32mm / 1,6mm</li> <li>▪ 2235: 50mm / 1,6mm</li> <li>▪ 2237: 76mm / 1,6mm</li> <li>▪ 2244: 45mm / 1,6mm</li> <li>▪ 2247: 76mm/ 1,6mm</li> <li>▪ 2249: 102mm / 1,6mm</li> <li>▪ 2271: 50mm / 4,8mm</li> <li>▪ 2272: 76mm / 4,8mm</li> <li>▪ 2273: 102mm /4,8mm</li> <li>▪ 2275: 150mm /4,8mm</li> <li>▪ 2278: 203mm / 4,8mm</li> </ul> |

#### MS 3367

|                           |  |
|---------------------------|--|
| Dimensions <sup>(5)</sup> | <ul style="list-style-type: none"> <li>▪ 2221: MS 3367-4</li> <li>▪ 2225:-</li> <li>▪ 2233: MS 3367-5</li> <li>▪ 2235: -</li> <li>▪ 2237: -</li> <li>▪ 2244: MS 3367-1</li> <li>▪ 2247: MS 3367-7</li> <li>▪ 2249: MS 3367-2</li> <li>▪ 2271: -</li> <li>▪ 2272: -</li> <li>▪ 2273: MS 3367-3</li> <li>▪ 2275: -</li> <li>▪ 2278: MS 3367-6</li> </ul> |
|---------------------------|--|

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## Cable ties **22** in **U60X**

### Compulsory regulations

#### 2014/35/EU EUROPEAN DIRECTIVE

|            |   |
|------------|---|
| CE Marking | Conformity with standard EN 62275:2015. |
|------------|---|

### Characteristics of U60X raw material

- Base raw material: Polyamide 6.6 (natural colour and grey RAL 7035 colour)
- Silicone contents: silicone free
- Phthalate contents according to ASTM D2124-99:2004: phthalate free
- Halogen contents acc./EN 50267-2-1: <0,5% <sup>(6)</sup>
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94 V2
- L.O.I. Oxygen index according to EN ISO 4589:1999: ≥29
- UL Approval: File E41938 EM
- Classification acc./ASTM D6779:2003: PA 0111

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### Notes

1. Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, Uvs, mounting way, etc),the particular atmosphere of certain installations must be individually studied with a specific test.
2. Except for new part numbers, which are under process of obtaining quality marks and approvals. See updated information of each part number on [www.unex.net](http://www.unex.net)
3. Cable ties width 4,8 and 7,6 mm
4. Certified references: 2221; 2225; 2233; 2235; 2237; 2244; 2247; 2249; 2271; 2272; 2273; 2278.
5. Cable ties without MS designation fulfill the conditions set in the standards for items with the same width, except for the length.
6. Detection limit for the analytical technique applied.

\* It is recommended to keep the bag closed until use.

\*\* All information contained herein is completely objective and is the result of a wide experience in satisfying our costumers` requirements . For more details, please visit our website.

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