



## Cable Tie Technical Data

Our Cable Ties meet all the most frequently specified International Standards.

They are manufactured from tough durable Nylon 6/6 which has been tested to underwriter's laboratory UL94-V2.

The material is zero halogenated and has a low smoke and fume capability when compared with materials such as PVC, PP, PE, ABS, POM, ECT. The classified oxygen index at max 27% dry is considered excellent in halogen free and L.S.F. situations.

All the stated specifications apply to the performance testing requirements with regards to flammability, tensile strength, vibration, corrosion etc. and in most cases exceed the recommendations, a full and detailed report on all cable ties in the range can be made available.

Our black cable ties have added carbon black enabling them to be UV Stable and suitable for outdoor use and giving excellent resistance to weathering and ageing.

The cable ties can be tensioned by hand or with a tensioning tool, when using tensioning tool's, it is recommended to pre-set the tooling to the proposed settings.

- **Material:** • Nylon 6.6.
- **Temperatures:** • Operating Temperature: -40°C to +85°C.  
• Tightening Temperature: -10°C to +60°C.  
• Max. Admissible Point: +110°C (For Short Time).  
• Fusion Temperature: +256°C.
- **Limit Oxygen Index (LOI):** • 27%.
- **Flammability Rating:** • UL 94 Class V2.
- **Dielectric Strength:** • 50,000 Volts/mm.
- **Weather Resistance:** • High resistance to bases, oils, greases, oil derivatives, chloride solvents;  
• limited resistance to acids; not resistant to phenols; halogen-free resins.
- **Comply With:** • BS EN50146, BE EN 62275:2009, DIN EN 62275(VDE0604-201):2010-07, IEC 62275(2006-10).
- **UL Approved:** • E474504.
- **Characteristics:** • UL Approved Nylon 6.6 giving excellent Flexibility and Mechanical Strength.  
• Black Cable Ties are UV Stable and suitable for Outdoor Use and giving excellent resistance to weathering and ageing.  
• High tensile strength with low insertion force.

- Loop Tensile Strengths:**
- Loop Tensile Strength 2.5mm - 8.1kg
  - Loop Tensile Strength 3.6mm - 18.2kg
  - Loop Tensile Strength 4.8mm - 22.2kg
  - Loop Tensile Strength 7.6mm - 54.5kg
  - Loop Tensile Strength 9.0mm - 80.0kg
  - Loop Tensile Strength 12.7mm - 113.5kg

Tel: 01623 706 241 E-mail: [sales@cableties-online.co.uk](mailto:sales@cableties-online.co.uk) Web: [www.cableties-online.co.uk](http://www.cableties-online.co.uk)

E A Fixings Ltd T/A cableties-online.co.uk - Company No. 07118599 - VAT No. 860 7626 11

Unit 1 Fox Covert Way, Crown Farm Industrial Park, Forest Town, Mansfield, Nottinghamshire, NG19 0FR