bacteria-resistant cable ties

Ty-Fast®

Thomas&Betts

A Member of the ABB Group

Ty-Fast® Ag+® bacteria-resistant cable ties
A breakthrough safety solution for fastening in bacteria-prone areas

A standard nylon cable tie is a harmless enough object—you install it to bundle and fasten cables, and then you forget about it. By its very design, full of notches and grooves, though, a cable tie makes an attractive home for micro-organisms to collect and reproduce.

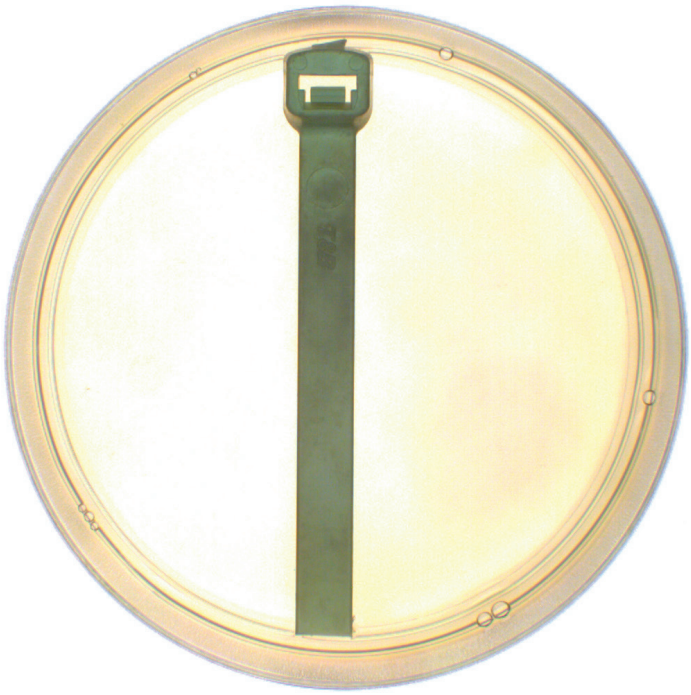
In most applications, this isn't a concern. However, in hospitals and food processing facilities, where reducing the growth of unhealthy micro-organisms is critical, the presence of heat, moisture and organic material common in these environments can encourage the growth of bacteria, fungus and mold.

In response to the needs of customers in healthcare, food processing and preparation, pharmaceuticals, medical device manufacturing and other contamination-sensitive industries, Thomas & Betts introduces the industry's first bacteria resistant cable tie.

Ty-Fast Ag+ bacteria-resistant cable ties are molded from an FDA-compliant nylon resin blended with an antimicrobial silver ion additive to prevent the growth of bacteria, fungus and mold on their surface. A proven antimicrobial agent, ionized silver has been used in consumer products for years and is effective against a broad spectrum of micro-organisms, preventing their reproduction and spread.

In independent laboratory tests, Ty-Fast Ag+ cable ties eliminated more than 99.9% of common surface bacteria. Now customers for whom cleanliness is a top priority have one less worry.

Test results



Ty-Fast Ag+ after 24 hours of exposure to bacteria

Standard cable tie after 24 hours of exposure to bacteria

Features

- The industry's first cable tie that inhibits microbial growth
- Protects itself against bacteria, mold and fungus
- Helps to reduce infection rate and spread of bacteria by not hosting microbial growth
- Promotes a clean environment—99.9% effective for bacterial reduction
- Made from FDA-approved nylon resin
- Offers reliable Ty-Fast cable tie design for easy cable management
- UL® Listed, RoHS and FDA compliant
- Patent pending

Applications

- Hospitals and other healthcare facilities
- Pharmaceutical production
- Food and beverage processing (off-line production)
- Medical equipment manufacturing

Specifications

Material	FDA-compliant fungal-inert nylon 6.6 resin custom-blended with EPA-registered antimicrobial silver ion additive
Operating temperature	-40 °F to 185 °F (-40 °C to 85 °C)
Flammability rating	UL94V-2
Certifications/ compliances	– UL/EN/CSA62275 Type 2/2S rated for AH-2 plenum – Independent laboratory tested to ISO22196 (Measurement of Antibacterial Activity on Plastic Surfaces), equivalent to JISZ2802 (Japanese Test for Antimicrobial Activity and Efficacy) – Fungal inert to MIL-T-152B standard – RoHS compliant

Ty-Fast AG+ bacteria-resistant cable ties

	Length	Width	Maximum bundle diameter		Tensile strength				
Catalog number	**in.**	**in.**	**in.**	**mm**	**lbs.**	**N**	**Color**	**Standard packaging quantity**	**UPC number**
TY100-18-ANTI	4.1	0.95	0.86	22	18	80	Beige	50	786210085081
TY175-50-ANTI	7.7	0.186	1.75	44	50	220	Beige	50	786210085098
TY400-50-ANTI	14.3	0.186	4.00	102	50	220	Beige	50	786210085142
TY400-120-ANTI	14.3	0.300	4.00	102	120	540	Beige	50	786210085166

Note: Ty-Fast Ag+ bacteria-resistant cable ties provide no antimicrobial inhibitory activity beyond protection of the cable ties themselves. They do not provide protection against specific pathogenic organisms, nor do they prevent growth of bacteria on adjacent or nearby surfaces. The antimicrobial efficacy of the material lasts a minimum of two years from manufacture under normal use conditions.

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Industry codes and specifications

All Thomas & Betts products meet or exceed applicable industry specifications or codes which are detailed in the appropriate T&B product literature.

IEEE ANSI IEC

Online CAD library

Thomas & Betts offers free download of two- and three-dimensional CAD models of many of its products in more than 90 native CAD formats at: www.tnb.com/cadlibrary

Please ask your Thomas & Betts sales representative for a complete catalog of quality Thomas & Betts electrical products or visit us at www.tnb.com. For customer service, call 1-800-816-7809. For technical questions, call 1-888-862-3289.

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