

Detectable cable ties

Ty-Rap® High Performance Cable Ties

Characteristics

The Ty-Rap® Detectable Cable Ties from ABB incorporate a unique compound (patent pending) that can be detected by X-Ray equipment, metal detectors and visual inspection equipment.

Particularly recommended for applications in food, pharmaceutical and other contamination-sensitive industries using detection systems, where cable tie installation residuals (cut tails) are not allowed in the finished product.

- Detectable by metal detectors set at minimum 1.5 mm diameter ferrous sphere
- Detectable by X-Ray equipment
- Bright blue colour for an easy visual detection
- Help achieve the HACCP EU-Directive
- Available in standard Polyamide 6.6 or in buoyant Polypropylene version for liquid-processing applications
- Available in 5 different sizes in convenient small bags with Euroslot: 5 NDT, 4PDT

Technical Information

Material - Moulding	Polyamide 6.6 or Polypropylene
Material - Locking barb	316 grade stainless steel
Temperature range	-40°C to +85°C
Colour	Bright blue
Flammability rating	UL 94 V-2 (Polyamide 6.6) UL 94 HB (Polypropylene)
Other properties	Halogen free, silicone free



Product Ref.	Material	Length L [mm]	Width W [mm]	Bundle ø from ... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
DETECTABLE POLYAMIDE 6.6							
TY523M-NDT	Polyamide 6.6	92	2.4	2 - 16	80	100	ERG50, WT193A
TY524M-NDT	Polyamide 6.6	140	3.6	2 - 29	180	100	
TY525M-NDT	Polyamide 6.6	186	4.8	3.5 - 45	220	100	ERG50, ERG120
TY528M-NDT	Polyamide 6.6	360	4.8	3.5 - 102	220	100	WT193A
TY527M-NDT	Polyamide 6.6	340	7.0	6 - 90	540	50	ERG120, L-500-EU
DETECTABLE POLYPROPYLENE							
TY523M-PDT	Polypropylene	92	2.4	2 - 16	50	100	
TY525M-PDT	Polypropylene	186	4.8	3.5 - 45	130	100	ERG50, WT193A
TY528M-PDT	Polypropylene	360	4.8	3.5 - 102	130	100	
TY527M-PDT	Polypropylene	340	7.0	6 - 90	270	50	ERG120, L-500-EU

Description of product reference structure: see page 8
 Description of materials and properties: see pages 140 to 151
 For tooling specifications: see pages 126 to 139

