

## Cable ties for special environments

### Detectable 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 contaminationsensitive industries
- Designed to have the best detectability by metal detectors
- Detectable by X-Ray equipment
- Bright blue colour for an easy visual detection
- Available in standard Polyamide 6.6 or in Polypropylene version for liquid-processing applications.

#### Technical information

- Material - Moulding: Polyamide 6.6 or Polypropylene
- Material - Locking barb: 316 grade stainless steel
- Temperature range: -40°C to +85°C (-40°F to +185°F)
- Colour: Blue
- Halogen free, silicone free



Detectable

#### Detectable cable ties

Cat. n°.	ANSI UL94 Flame rating	Wire bundle dia. from ... to		Length L		Width W		Min. tensile strength		Std. pkg. [pcs]
		[mm]	[in.]	[mm]	[in.]	[mm]	[in.]	[lb]	[N]	
<b>Detectable Polyamide 6.6</b>										
TY523M-NDT	HB	9 - 16	0.35 - 0.63	92	3.6	2.3	0.09	18	80	100
TY524M-NDT	HB	10 - 35	0.39 - 1.38	137	5.4	3.6	0.14	40	180	100
TY525M-NDT	HB	10 - 44	0.41 - 1.75	186	7.3	4.7	0.18	50	222	100
TY25M-NDT	HB	10 - 44	0.41 - 1.75	186	7.3	4.7	0.18	50	222	1,000
TY527M-NDT	HB	13 - 89	0.50 - 3.50	343	13.5	6.9	0.27	120	540	50
TY27M-NDT	HB	13 - 89	0.50 - 3.50	343	13.5	6.9	0.27	120	540	500
TY528M-NDT	HB	13 - 101	0.51 - 4.00	361	14.20	4.7	0.18	50	222	100
<b>Detectable Polypropylene</b>										
TY523M-PDT	HB	9 - 16	0.35 - 0.63	92	3.6	2.3	0.09	11	49	100
TY525M-PDT	HB	10 - 44	0.41 - 1.75	186	7.3	4.7	0.18	30	135	100
TY527M-PDT	HB	13 - 101	0.50 - 4.00	340	13.4	7.0	0.27	60	267	50
TY528M-TDT	HB	13 - 101	0.50 - 4.00	361	14.2	4.7	0.18	30	135	100

Description of Cat. n°. structure: see page C13

Description of materials and properties: see pages C132 to C144

For mounting bases available in these same materials, see page C96 and C97

#### Tooling



##### ERG50

For use with 2.3mm to 4.8mm (80N to 220N) Cable ties. See page C40.



##### ERG120

For use with 4.8mm to 7.0mm (220N to 540N) Cable ties. See page C40.

#### Diagram

