TECHNICAL DATA SHEET

Cable Tie, detectable

NDT and PDT series

Ty-Rap® TyGenic™

Cable ties are primarily used to clinch wires and cables together to form a neat and organised bundle.



Certifications / Standards:

Features:
- Detectable by metal detectors, X-ray equipment and visual detection
- Engineered with greater metallic density content specially formulated for higher detection
- 316 stainless steel barb is corrosion resistant and helps provide greater longevity

Typical applications:
- Food and beverage processing
- Pharmaceutical production
- Chemical and compounds manufacturing
- Tobacco processing
- Tyre and airbag manufacturing
- Any other industry sensitive to contamination and using detection equipment

Conforms to:
- REACH Directive
- RoHS Directive

Materials & Finishes:
- NDT: Anti-microbial PA6.6, UV-resistant
- Color: Light blue
- PDT: Chemical-resistant polypropylene
- Color: Light blue

Ratings:
- UL listed, Type 1
- Minimum installation temperature: -20°C
- Minimum operating temperature: -40°C
- Maximum operating temperature: 85°C
- UV resistant (NDT version)

Flammability:
- UL94 HB

Ty-Rap TyGenic cable ties, detectable
NDT series

Product Selection

Part no.	Figure	Min. bundle diameter (mm)	Max. bundle diameter (mm)	Tensile strength (N)	A ±3.0 (mm)	B ±0.25 (mm)	C ±0.76 (mm)	D ±0.76 (mm)	E ±0.25 (mm)
TY523MR-NDT	1	1.5	16.0	50.0	93.0	1.0	3.8	4.7	2.3
TY524MR-NDT	1	2.0	35.0	133.0	140.0	1.0	4.6	6.4	3.6
TY525MR-NDT	1	3.0	45.0	222.0	186.0	1.3	5.6	8.0	4.6
TY527MR-NDT	2	4.8	95.0	534.0	345.0	1.5	8.0	12.2	6.9
TY528MR-NDT	1	4.8	102.0	222.0	361.0	1.3	5.6	8.0	4.8

Ty-Rap cable ties, detectable
PDT series

Product Selection

Part no.	Figure	Min. bundle diameter (mm)	Max. bundle diameter (mm)	Tensile strength (N)	A ±3.0 (mm)	B ±0.25 (mm)	C ±0.76 (mm)	D ±0.76 (mm)	E ±0.25 (mm)
TY523MR-PDT	1	1.5	16.0	50.0	93.0	1.0	3.8	4.7	2.3
TY525MR-PDT	1	3.0	45.0	135.0	186.0	1.3	5.6	8.0	4.6
TY527MR-PDT	2	4.8	95.0	267.0	345.0	1.5	8.0	12.2	6.9
TY528MR-PDT	1	4.8	102.0	135.0	361.0	1.3	5.6	8.0	4.8

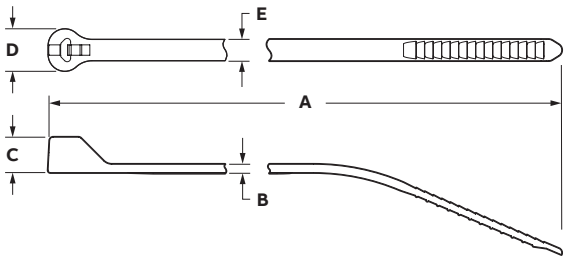


Figure 1

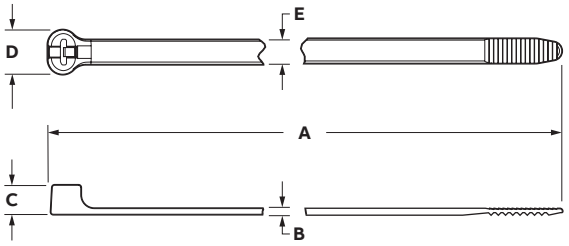


Figure 2

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Please note: Ty-Rap TyGenic antimicrobial detectable cable ties provide no antimicrobial inhibitory activity beyond the protection of the cable ties themselves.