PRODUCT HIGHLIGHTS

Ty-Rap® nylon 6/12 UV-resistant cable ties

Withstands UV radiation, extreme outdoor conditions, chemical exposure and moisture.

Ty-Rap®

When unforgiving environments push fastening solutions to the limit, this UV-resistant cable tie holds firm. Its nylon 6/12 construction resists moisture absorption and wear, while the corrosion-resistant 316 grade stainless steel locking barb helps ensure a secure grip and long-term performance.

UV-resistant nylon 6/12 vs. 6/6

- **Nylon 6/12** delivers superior UV resistance, low moisture absorption and long-lasting durability in harsh outdoor or industrial environments.
- **Nylon 6/6** is a great choice when higher mechanical strength and heat resistance are required or when UV exposure is moderate.

Key features

Climate and UV resistant
- Excels in demanding outdoor environments, delivering superior UV resistance, durability and performance under continuous sunlight and field installations

Water and humidity resistant
- Retains mechanical integrity in wet or humid environments, retaining mechanical integrity and dimensional stability
- Nylon 6/12 absorbs less moisture than nylon 6/6, making it ideal for industrial, cold or dry applications

Chemical resistant
- Maintains strength where long-term cable tie reliability is critical under chemical exposure and environmental stress
- Prevents degradation from corrosive agents, including hydrocarbons, oils, greases, fuels and solvents

Cost savings
- Ideal for projects prioritizing extended replacement intervals, even when upfront material costs are higher

Ready for any environment
- Installation temperature: -4°F (-20°C) and above
- Operating temperature: -40°F to 194°F (-40°C to 90°C)

Standards compliant
- UL listed
- RoHS (Restriction of Hazardous Substances)

ENGINEERED TO OUTRUN

Applicable industries

- Chemical
- Infrastructure
- Mining
- Oil and gas
- Rail
- Renewable energy
- Power generation and distribution

For more information

Visit website

See technical data sheet

TY-RAP® NYLON 6/12 UV-RESISTANT CABLE TIES

Catalog no.	Figure no.	Length "A" in. (mm)	Width "B" in. (mm)	Bundle diameter in. (mm)	Tensile strength lbs. (N)	Pkg. qty.
TYG25MX	1	7.2 (183)	0.19 (4.8)	0.19–1.89 (4.8–48)	50 (222)	1000
TYG525MX						100
TYG27MX	1	13.5 (343)	0.27 (6.9)	0.19–3.74 (4.8–95)	90 (400)	500
TYG527MX						50
TYG272MX	2	8.8 (224)	0.27 (6.9)	0.19–2.01 (4.8–51)	85 (380)	500
TYG5272MX						50
TYG28MX	2	14.2 (361)	0.19 (4.8)	0.12–4.02 (3.0–102)	50 (222)	1000
TYG528MX						100
TYG29MX	2	30.3 (770)	0.27 (6.9)	0.19–9.06 (4.8–230)	90 (400)	500
TYG529MX						50

Note: Product must be installed in accordance with applicable national and local electrical codes.
See technical data sheet TDS000949 for additional dimensions and specifications.

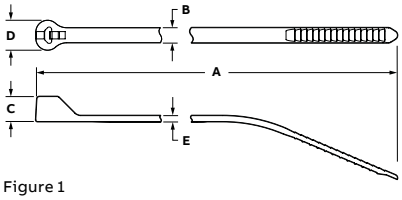

Figure 1

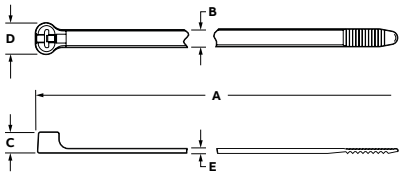

Figure 2

FAQS

Why are Ty-Rap nylon 6/12 cable ties considered long-life?

- Engineered for long-term outdoor durability
- Deliver 20+ years of service in demanding environments

How do they perform in harsh chemical environments?

- Resist acids, alkalis, salts and many industrial chemicals
- Suitable for petrochemical, oil and gas, mining and processing applications

Are they suitable for wet or humid conditions?

- Approx. 0.25% moisture absorption
- Maintain strength and dimensional stability in wet or high-humidity environments

Which industries use Ty-Rap nylon 6/12 cable ties?

- Electrical infrastructure (low-, medium- and high-voltage)
- Rail
- Renewable energy
- Construction and hazardous environments

When should I specify Ty-Rap nylon 6/12?

- When long-term durability is required
- When UV stability and chemical resistance are critical
- When environmental performance outweighs peak mechanical strength

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7TKK001828 1.2026