



## Product Highlights

- Operating temperature up to +150°C (+302°F)
- Light to moderate abrasion protection
- Low profile and easy to install cable bundling
- Self-wrapping design allows for break-outs
- Lightweight & flexible

## Typical Applications

- Instrument panel harnesses
- Engine compartment harnesses
- Other body wiring harnesses
- Tube, hose, and cable assemblies

**TwistWrap™ 2403** is a self-wrapping sleeve designed to enable fast and easy wire harness bundling. Woven of both monofilament and multifilament polyester yarns the product is both flexible and lightweight. The polyester construction eliminates problems associated with trapped heat and humidity and also eliminates operator skin irritation during assembly. The combination of materials also enables the product to provide a level of abrasion protection for the wire bundle.

TwistWrap 2403 maintains a circular profile when flexed and its unique design easily allows for breakouts and installation over completed assemblies.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

# Performance Data – TwistWrap® 2403

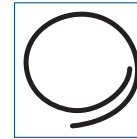
Property	Test Method	Result
Temperature Rating	240 hrs at +175°C (+150°C rating)	Pass +150°C (+302°F)
Low Temperature Flexibility	SAE J2192	Pass -70°C (-94°F)
Flammability	SAE J369	Self-extinguishing
Fluid Resistance	SAE J2192	Pass

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

## Construction and Typical Product Characteristics

**Warp Yarn:** Polyester (PET) multifilament

**Fill Yarns:** Polyester (PET) monofilament



End view of TwistWrap 2403 illustrating self-curling wrappable construction with nominal overlap.

## Standard Sizes

Nominal Diameter mm	Recommended Application Range mm	
	Min Ø	Max Ø
5	1	5
8	5	8
10	8	10
13	10	13
16	13	16
19	16	19
25	19	25
29	25	29
32	29	32
38	32	38

\* Max diameter is defined as a nominal 90° sleeve overwrap. A variety of application-based variables will dictate the appropriate sleeve size for use on each harness. Proper sleeve sizing is at the discretion of the end user. A reduced overlap could be acceptable in certain applications allowing for a larger max diameter harness. Please consult your local sales representative for recommendations and guidance.

## Availability

Standard sizes are listed here, Additional sizes could be available upon request.

Available in spools and custom cut lengths. Recommended cut lengths are in 5mm increments. Please see regional drawings for cut length tolerances.

Standard color is black.

Please consult your local sales representative for regional packaging details and standards. TwistTool is available as an installation aid for sizes 5, 8 and 13 mm.



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