



ABRASION/MECHANICAL

TwistTube® 2421

Product Highlights

- Operating temperature
-50°C to +150°C
(+58°F to +302°F)
- Self-closing tubular design
- Excellent abrasion resistance
- Noise suppression
- Very flexible
- Extremely lightweight
- Aesthetic solution

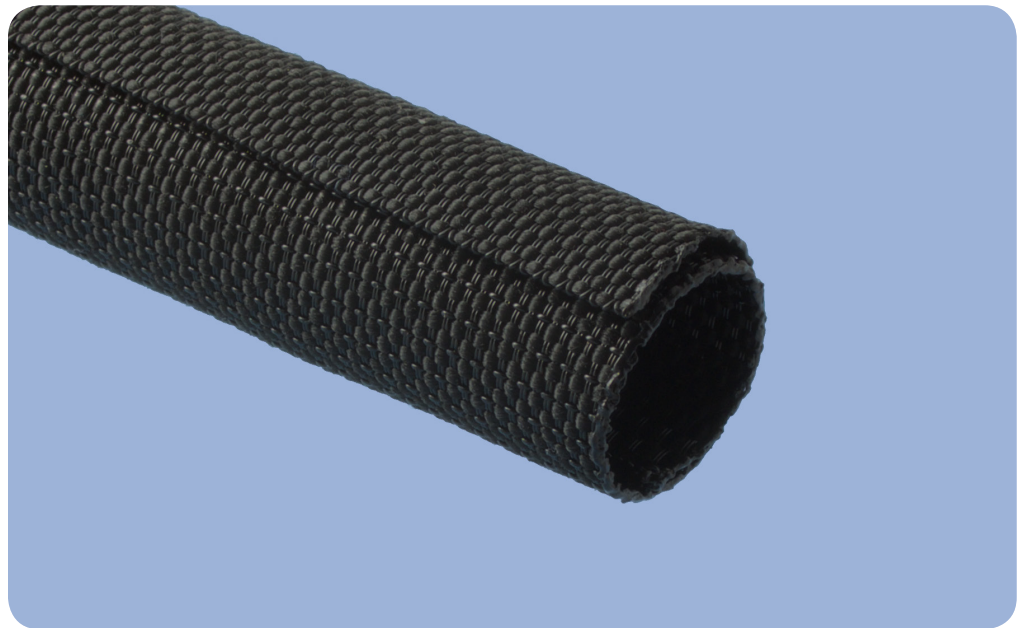
Typical Applications

- Body wiring harnesses
- Instrument panel harnesses
- Engine compartment harnesses
- Modular wire harnesses
- Tubing



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

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TwistTube® 2421 is a self-closing oversleeve designed to provide mechanical protection and to suppress acoustic noise. Woven of monofilament and multifilament polyester yarns the product offers superior abrasion protection, high level of component protection and is both flexible and lightweight. Its unique construction eliminates problems associated with trapped heat and humidity.

TwistTube 2421 fits tightly to wire harnesses, saving space, but without reducing the flexibility of the wire bundles it protects. It also maintains a circular profile when flexed. Its self-wrapping design allows for quick and easy bundling of wire and cable assemblies. The unique design easily allows for breakouts and can be installed over completed assemblies.

BentleyHarris®
Protection Products

Performance Data – TwistTube® 2421

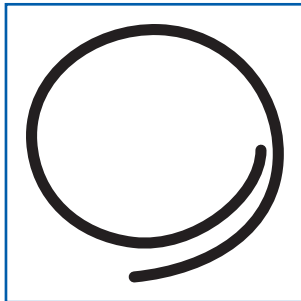
Property	Test Method	Result
Temperature Rating	240 hours at +175°C (+150°C rating)	Pass +150°C (+302°F) with no visible degradation nor loss of flexibility
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing Type B
Low Temperature Flexibility	BH100-016A	Pass -50°C (-58°F)
Noise Suppression	SAE J2192	Rubbing : > 18dB Rattling : > 19dB
Fluid Resistance	D47 1924	No visible degradation or alteration after being exposed to the following test cycles: <ul style="list-style-type: none"> • Immersion for 15s at 23°C, followed by a drying period of 24h at 150°C: motor oil, automatic transmission fluid, manual transmission oil. 24h at 23°C: zinc chloride, brake fluid. • Immersion for 48h at 70°C, followed by a drying period of 24h at 23°C: Urea of clean up Ad blue • Immersion for 24h At 40°C, followed by a drying period of 4h at 23°C: for gazole, unloaded petrol 98, Std fuel C + 15% methanol, E85 bio ethanol. At 70°C, followed by a drying period of 4h at 23°C, for windscreen washer. At 118°C, by a drying period of 4h at 23°C, for engine coolant.

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 Yarns: Polyester (PET) monofilament and multifilaments

Fill Yarn: Polyester (PET) monofilament



End view of TwistTube 2421 illustrating self-wrapping construction.

Availability

TwistTube 2421 is available in a range of sizes and cut to your specification. Standard color is black. Please contact your sales representative for availability.

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