



Product Highlights

- Operating temperature up to +150°C (+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

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.



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

Performance Data – TwistTube® 2421

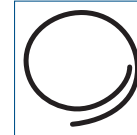
| Property | Test Method | Result |
|-----------------------------|-----------------------------------|---------------------------------------|
| Temperature Rating | 240 hrs at +175°C (+150°C rating) | Pass +150°C (+302°F) |
| Low Temperature Flexibility | SAE J2192 | Pass -70°C (-94°F) |
| Flammability | FMVSS 302 SAE J369 | Pass Self-extinguishing |
| Fluid Resistance | SAE J2192 | Pass |
| Noise Suppression | SAE J2192 | Rubbing : > 18dB Rattling : > 19dB |

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) Monofilament and Multifilaments

Fill Yarn: Polyester (PET) Monofilament



End view of TwistTube 2421 illustrating self-wrapping construction.

Standard Sizes

| Nominal Diameter mm | Recommended Application Range mm | |
|------------------------|-------------------------------------|-------|
| | Min Ø | Max Ø |
| 5 | 1 | 5 |
| 8 | 6 | 8 |
| 10 | 9 | 10 |
| 13 | 11 | 13 |
| 16 | 14 | 16 |
| 19 | 17 | 19 |
| 25 | 20 | 25 |
| 29 | 26 | 29 |
| 32 | 30 | 32 |

* Max diameter is defined as a nominal 90 degree 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.

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. Additional colors may be available upon request.

Please consult your local sales representative for regional packaging details and standards.



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
 EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
 Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565
www.systemsprotection.com

