



TwistTube 2420F 보호 슬리브 기술자료

Systems Protection Twisttube 2420F Datasheet · English Edition

Global Industrial Cable Management Solutions

Product Highlights

- Operating temperature up to +150°C (+302°F)
- Excellent noise suppression
- High level of abrasion resistance
- Extremely lightweight
- Excellent flexibility
- Self-wrapping tubular design
- Attractive appearance

Typical Applications

- Instrument panel harnesses
- Engine compartment harnesses
- Tubing, hose, and cable assemblies



TwistTube® 2420F is a self-wrapping sleeve designed to provide abrasion protection and acoustical noise suppression. Woven of both monofilament and multifilament polyester yarns the product offers a high level of component protection and is both flexible and lightweight. The polyester construction eliminates problems associated with trapped heat and humidity and also eliminates operator skin irritation during assembly.

TwistTube 2420F offers superior abrasion protection and 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)

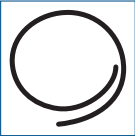
Performance Data – TwistTube® 2420F

Property	Test Method	Result
Operating Temperature	240 hours at +175°C (+150°C rating) Heat Aging: 3000 hrs. @ 150°C (ISO 6722)	-50°C to +150°C (-58°F to +302°F) No visible degradation nor loss of flexibility – Shrinkage < 10%
Low Temperature Flexibility	SAE J2192	Pass -70°C (-94°F)
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing Type B
Acoustic Performances (attenuation)	SAE J2192	Rattling > 20dB(A) Rubbing : < 20dB(A)
Fluid Resistance	D47 1924	No visible degradation or alteration after being exposed to the following test cycles: • Immersion for 15s at 23°C, followed by a drying period of 24h at 150°C: motor oil, automatic transmission fluid, mineral hydraulic fluid. 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 Yarn: Polyester (PET) Multifilament
Fill Yarn: Polyester (PET) Monofilament



End view of TwistTube 2420F illustrating self-curling wrappable construction with nominal overlap.

Standard Sizes

Commercial Part Number	Recommended Application Range mm	
	Min Ø	Max Ø
TwistTube 2420F 5-0	1	5
TwistTube 2420F 8-0	5	8
TwistTube 2420F 10-0	8	10
TwistTube 2420F 13-0	10	13
TwistTube 2420F 16-0	13	16
TwistTube 2420F 19-0	16	19
TwistTube 2420F 25-0	19	25
TwistTube 2420F 29-0	25	29
TwistTube 2420F 32-0	29	32
TwistTube 2420F 38-0	32	38

* Max diameter is defined as a nominal 90° sleeve overlap. 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. Additional colors are available.

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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