

Stura

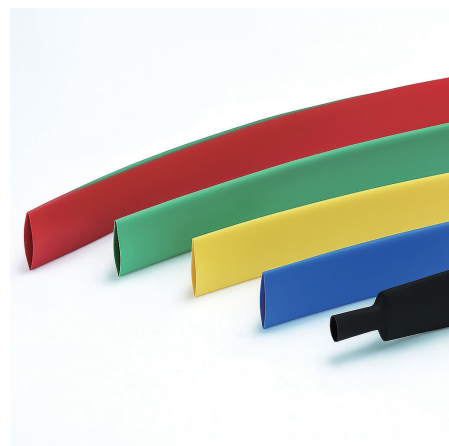
135°C Military Grade Flame Retardant Single-wall Heat Shrink Tubing 135°C军标级阻燃单壁热缩管

军用级环保, 耐高温, 多重收缩率护航

Military Grade, Eco-Friendly, High Temp, Multiple Shrink Ratios

135°C军标级阻燃单壁热缩管 (Stura-MG) 专为高可靠性和严苛环境下的电气绝缘与机械保护设计, 兼具2:1与3:1两种收缩比, 能够灵活适配各种线束、端子及不规则部件。其卓越的耐磨、耐化学腐蚀和耐溶剂性能, 使其广泛应用于线束外护、接线端子的绝缘与应力缓解, 以及对电气连接部位的标识和色彩编码。Stura-MG符合军标及工业标准, 适用于要求高度耐用性和安全性的航空航天、轨道交通及高端装备制造领域, 是实现专业级电气防护的理想之选。

Stura-MG 135°C military-grade flame-retardant single wall heat shrink tubing is designed for highly reliable electrical insulation and mechanical protection in demanding environments. Offering both 2:1 and 3:1 shrink ratios, it provides versatile coverage for a wide range of wire sizes, terminations, and irregular components. With superior resistance to abrasion, chemicals, and solvents, Stura-MG is ideal for wire bundling, strain relief, and insulation of terminals and connections, as well as color coding and identification in complex wiring systems. Meeting stringent military and industrial standards, Stura-MG is the preferred solution for aerospace, railway, and advanced manufacturing sectors requiring robust and enduring electrical protection.



产品特性与优势 Features and benefits

性能 Property	指标要求 Requirement	测试方法 Test Method	典型值 Typical Data
操作温度范围 Operating Temperature	/	/	-55°C to +135°C
最低收缩温度 Min. Shrink Temperature	/	/	+70°C
完全收缩温度 Full recovery temperature	/	/	+110°C
长度变化率 Longitudinal change	-10%~10%	ASTM D 2671	通过 Pass
抗张强度 Tensile strength	≥10.3MPa	ASTM D 2671	≥11.3MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 2671	≥400%
老化后的抗张强度 Tensile strength after aging	初始值的70% 70% of initial value	ASTM D 2671 (158°C/168 hrs)	≥80%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 2671 (158°C/168 hrs)	≥200%
热冲击 Heat shock	无裂痕 No Cracking	ASTM D2671 (200°C/4 hrs)	无裂痕 No Cracking
低温柔软性 Low temperature flexibility	无裂痕 No Cracking	ASTM D2671 (-55°C/4 hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (2500V, 60s)	无击穿 No Breakdown
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω-cm	ASTM D 2671	≥10 ¹⁴ Ω-cm
绝缘强度 Dielectric strength	≥19.7kV/mm	ASTM D 2671	22kV/mm
阻燃性能 Flammability	VW-1	UL224	VW-1

- 收缩比2:1/3:1
- 军标级聚烯烃, 耐高温至135°C
- 柔软阻燃, 耐常见溶剂和液体
- 优异的绝缘、物理和化学性能
- Shrink ratio 2:1 / 3:1
- Military-grade polyolefin, high temperature to 135°C
- Very flexible, flame-retardant, solvent resistant
- Excellent insulation, physical and chemical properties

颜色 COLOR

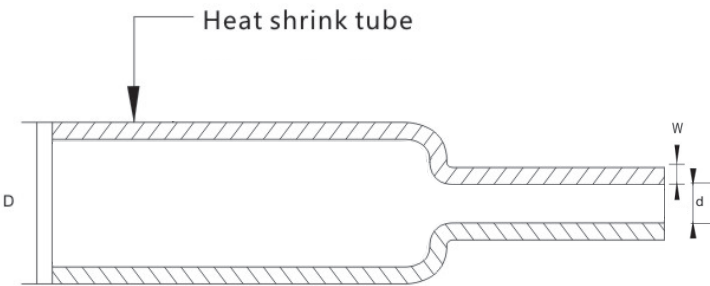


符合标准 Standards

- UL224 (600 V, 125°C, VW-1);
- RoHS;
- REACH;

Stura

135°C Military Grade Flame Retardant Single-wall Heat Shrink Tubing
135°C军标级阻燃单壁热缩管



标准壁厚 Standard wall thickness						
收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)	收缩后 After recovered (mm)		标准长度 Standard length (m/roll)
			最小内径 I.D. min (D)	最大内径 I.D. max (d)	壁厚 W.T (w)	
2:1	Stura-MG-2x1.2	1.2(3/64")	1.2	0.6	0.40±0.08	200
	Stura-MG-2x1.6	1.6(1/16")	1.6	0.8	0.43±0.08	200
	Stura-MG-2x2.4	2.4(3/32")	2.4	1.2	0.51±0.08	200
	Stura-MG-2x3.2	3.2(1/8")	3.2	1.6	0.51±0.08	200
	Stura-MG-2x4.8	4.8(3/16")	4.8	2.4	0.51±0.08	100
	Stura-MG-2x6.4	6.4(1/4")	6.4	3.2	0.64±0.08	100
	Stura-MG-2x9.5	9.5(3/8")	9.5	4.8	0.64±0.08	100
	Stura-MG-2x12.7	12.7(1/2")	12.7	6.4	0.64±0.08	100
	Stura-MG-2x19.1	19.1(3/4")	19.1	7.5	0.77±0.08	100
	...	...	...	...	...	...
	Stura-MG-2x150	150(6")	147	75	1.52±0.23	15

标准壁厚 Standard wall thickness							
收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)		收缩后 After recovered (mm)		标准长度 Standard length (m/roll)
			最小内径 I.D. min (D)	最小壁厚 W.T.min (w)	内径 I.D (d)	最小壁厚 W.T.min (w)	
3:1	Stura-MG-3x3.2	3 (1/8")	3.0	0.15	1.0±0.2	0.50	200
	Stura-MG-3x6.4	6 (1/4")	6.2	0.20	2.0±0.2	0.60	100
	Stura-MG-3x9.5	9 (3/8")	9.1	0.23	3.0±0.2	0.65	100
	Stura-MG-3x12.7	12 (1/2")	12.1	0.23	4.0±0.2	0.70	100
	Stura-MG-3x19.1	19 (3/4")	18.0	0.28	6.0±0.3	0.75	100
	Stura-MG-3x25.4	25 (1")	25.0	0.32	8.0±0.3	1.00	50

接受特殊尺寸及颜色定制需求，技术参数如有变更，恕不另行通知。最低订购量 (MOQ) 可能与包装数量有所不同。
Custom sizes and colors are available upon request. Technical specifications are subject to change without prior notice. Minimum order quantities (MOQ) may differ from standard packaging quantities.

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