

Heat-shrinkable identification marker sleeves

CTMS-125

■ Application

CTMS-125 heat-shrinkable identification marker sleeves are designed to meet the requirements of high- performance identification of wire and cable, tools, hoses and equipment. Made from reliable flame-retardant polyolefin with outstanding properties, sleeves can also be used as electrical insulation. Marks are permanent after printing.

■ Features/Benefits

- Flexible, highly flame-retardant.
- Sleeves meet the print performance requirements of SAE-AS81531.
- Markers can also provide insulation and strain relief.
- Marks are permanent after printing; mark performance improves after shrinking.
- Free of PCBs, PCPs, polybrominated biphenyls (PBBs), polybrominated biphenyl oxides and ethers (PBBOs, PBBEs and PBDEs) and toxic heavy metal compounds, which are classified as environmentally hazardous substances. Conform to European RoHS environmental directive.
- Operating temperature range: -55°C~125°C
- Minimum shrink temperature: 70°C
- Minimum full recovery temperature: 110°C

■ Specifications/Standards

UL224, UL approval, 125°C VW-1

SAE-AS81531, MIL-STD-202

■ Specification values

Physical properties:

Tensile strength	10.4MPa min.
Elongation	200% min.
Low temperature flexibility	No cracking
Heat shock	No cracking, dripping or flowing

Print performance:

UL224	50 rubs, legible
MIL-M-81531	50 rubs, legible
MIL-STD-202	30 strokes, legible

Electrical properties:

Dielectric voltage withstand	2.5kV, 60 sec	No breakdown
Dielectric strength		19.7kV/mm min.
Volume resistivity		$10^{14}\Omega\cdot\text{cm}$ min.

Chemical properties:

Corrosion	No corrosion
Flammability	Average burn time is less than 1 minute
Fluid resistance: (23°C, 24 hrs)	Followed by print performance tests of SAE-AS81531

■ Product sizes

mm/inch

Size (inch)	Inside diameter		Recommended use range
	As supplied (min.)	After recovery (max.)	
3/32	2.4 (0.093)	0.8 (0.031)	0.9-2.0 (0.035-0.079)
1/8	3.2 (0.125)	1.0 (0.042)	1.1-2.7 (0.044-0.105)
3/16	4.8 (0.187)	1.6 (0.062)	1.8-4.1 (0.069-0.160)
1/4	6.4 (0.250)	2.1 (0.083)	2.3-5.5 (0.091-0.215)
3/8	9.5 (0.375)	3.2 (0.125)	3.5-8.0 (0.137-0.320)
1/2	12.7 (0.500)	4.2 (0.166)	4.7-10.8 (0.183-0.425)
3/4	19.1 (0.750)	6.35 (0.250)	7.0-16.3 (0.275-0.640)
1	25.4 (1.000)	8.5 (0.333)	9.3-21.6 (0.366-0.850)
1 1/2	38.1 (1.500)	19.1 (0.750)	21.0-33.0 (0.825-1.300)
2	50.8 (2.000)	25.4 (1.000)	27.0-48.0 (1.063-1.890)

■ Ordering information

- Standard color:** White (-WH), yellow (-YL)
- Nonstandard color:** Special colors can be available upon request.
- Nonstandard size:** Special sizes are available upon request.
- Standard packaging:** 2 inch pieces or by spool
- Ordering description:** Specify product type, size and color.