

# MS Printable Heat Shrink Sleeves

## Military Specification 3:1 ratio

Very flexible, high temperature rated, highly flame retardant, UL and CSA recognised heat shrinkable tubing (3:1 shrink ratio). Flexible polyolefin sleeves used for wire identification. Markers are supplied roll form in a flattened format on a carrier which can also be printed to aid sorting.



### INFORMATION

- + Flame Retardant
- + Self Extinguishing
- + Meets requirements of SAE-DTL-23053/5
- + Easy Pick Application
- + Backing card perforated after every sleeve
- + Print performance to Military Specifications
- + RoHS and REACH Compliant

### SPECIFICATION

**Temperature range**  
-55°C to +135°C

**Material**  
flexible polyolefin

**Print**  
thermal transfer

**Print performance to military specifications**  
Adherence: SAE-AS5942  
Fluid Resistance: MIL202G Method 215K

**Standard colours**  
yellow and white

**Shrink ratio**  
3:1

**Certified and issued to:**  
SAE-AMS-DTL-23053/5  
UL224 VW-1 Flammability

PROPERTY	VALUE
Continuous Operating Temperature	-55°C to +135°C
Elongation After Heat Ageing 158°Cx168h)	100% Min.
Heat Shock (250°Cx4h)	Pass no crack, flowing or dripping
Min. Shrink Temp. for full Recovery	+90°C
Longitudinal Change	-15% Max.
Tensile Strength	10.4 MPa Min.
Elongation at Break	200% Min.
Secant Modulus	173 MPa Max.
Flammability	UL 224 VW1
Voltage Rating	600V

### PRODUCT RANGE

TYPE	DIAMETER (mm) BEFORE SHRINKING	DIAMETER (mm) AFTER SHRINKING	SLEEVE LENGTH(mm)	MARKERS ACROSS	MARKERS / BOX
MS^024125LR	2.4	0.8	12.5	4	4000
MS^024250LR	2.4	0.8	25	2	2000
MS^024500LR	2.4	0.8	50	1	1000
MS^032125LR	3.2	1.10	12.5	4	4000
MS^032250LR	3.2	1.10	25	2	2000
MS^032500LR	3.2	1.10	50	1	1000
MS^048125LR	4.8	1.6	12.5	4	4000
MS^048250LR	4.8	1.6	25	2	2000
MS^048500LR	4.8	1.6	50	1	1000
MS^064125LR	6.4	2.10	12.5	4	4000
MS^064250LR	6.4	2.10	25	2	2000
MS^064500LR	6.4	2.10	50	1	1000
MS^095125LR	9.5	3.2	12.5	4	2000
MS^095250LR	9.5	3.2	25	2	1000
MS^095500LR	9.5	3.2	50	1	500
MS^127125LR	12.7	4.2	12.5	4	2000
MS^127250LR	12.7	4.2	25	2	1000
MS^127500LR	12.7	4.2	50	1	500
MS^180125LR	18.0	6.4	12.5	4	2000
MS^180250LR	18.0	6.4	25	2	1000
MS^180500LR	18.0	6.4	50	1	500
MS^254250LR	25.4	8.5	25	2	600
MS^254500LR	25.4	8.5	50	1	300
MS^381500LR	38.1	12.7	50	1	100

^= S (single sided), D (double sided) = Colour (4= Yellow, 9= White)

Recommended ribbon: 2020 series