



## HPS High Performance Sleeve Printable Heatshrink 3:1 Shrink Ratio



### Standards:

- SAE-AMS-DTL-23053/5  
(except dimensions and longitudinal change)
- Meets NSA 937201MR and MT specifications.

### Product Overview:

Very flexible, highly flame retardant, 3:1 shrink ratio, heat-shrinkable tubing. Meets military specifications for material and functional requirements. Flexible polyolefin sleeves used for wire identification and insulation purposes. Markers are supplied roll form in a flattened format on a carrier designed for use with Sumitag™ thermal transfer printers.

### Product Features:

- Dual printing on marker and backing for easy reference.
- Perforated liner fan folds for quick marker referencing.
- Ladder design provides kitting capability.
- Flame-retarded, self-extinguishing.
- Perforation after every sleeve allows for easy sorting.
- RoHS Compliant.
- 1/2", 1" and 2" lengths available.
- Colors—white and yellow as standard. Other colors available.

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## Technical Specifications:

### Recommended Printer & Ribbon:

Sumitag™ Printer	STP-300 BB, SS & DS
Ribbon	SM3 Super Ribbon

### Print Performance:

Adherence: SAE-AS5942  
 Fluid Resistance: MIL-STD-202, Method 215J  
 Store in original packaging  
 Recommended temp. at +10°C to 25°C 45-55% R.H.  
 Use within 3 years from date of manufacture

Property	Value
Continuous Operating Temperature	-55°C to +135°C
Min Shrink Temperature for Full Recovery	+90°C
Heat Aging (175°C x 168 hrs)	100% Min
Heat Shock (250°C x 4 hrs)	No cracking, dripping or flowing
Longitudinal Change	+5% to -15% Max
Tensile Strength	10.3 MPa Min
Elongation at Break	200% Min
Secant Modulus	173 MPa Max
Voltage Rating	600V

Nominal Ø Sup. Inches	Nominal Ø Rec. Inches	Sleeve Length Inches	Markers Across	Markers Per Box	Order Code
3/32	0.031	1/2	4	4,000	HPS-3/32-2.0-S3-WE-3X
3/32	0.031	1	2	2,000	HPS-3/32-2.0-S1-WE-3X
3/32	0.031	2	1	1,000	HPS-3/32-2.0-WE-3X
1/8	0.043	1/2	4	4,000	HPS-1/8-2.0-S3-WE-3X
1/8	0.043	1	2	2,000	HPS-1/8-2.0-S1-WE-3X
1/8	0.043	2	1	1,000	HPS-1/8-2.0-WE-3X
3/16	0.063	1/2	4	4,000	HPS-3/16-2.0-S3-WE-3X
3/16	0.063	1	2	2,000	HPS-3/16-2.0-S1-WE-3X
3/16	0.063	2	1	1,000	HPS-3/16-2.0-WE-3X
1/4	0.082	1/2	4	4,000	HPS-1/4-2.0-S3-WE-3X
1/4	0.082	1	2	2,000	HPS-1/4-2.0-S1-WE-3X
1/4	0.082	2	1	1,000	HPS-1/4-2.0-WE-3X
3/8	0.126	1/2	4	2,000	HPS-3/8-2.0-S3-WE-3X
3/8	0.126	1	2	1,000	HPS-3/8-2.0-S1-WE-3X
3/8	0.126	2	1	500	HPS-3/8-2.0-WE-3X
1/2	0.165	1/2	4	2,000	HPS-1/2-2.0-S3-WE-3X
1/2	0.165	1	2	1,000	HPS-1/2-2.0-S1-WE-3X
1/2	0.165	2	1	500	HPS-1/2-2.0-WE-3X
3/4	0.252	1/2	4	2,000	HPS-3/4-2.0-S3-WE-3X
3/4	0.252	1	2	1,000	HPS-3/4-2.0-S1-WE-3X
3/4	0.252	2	1	500	HPS-3/4-2.0-WE-3X
1	0.335	1	2	600	HPS-1-1-2.0-S1-WE-3X
1	0.335	2	1	300	HPS-1-2.0-WE-3X
1.5	0.500	2	1	100	HPS-1.5-2.0-WE-3X