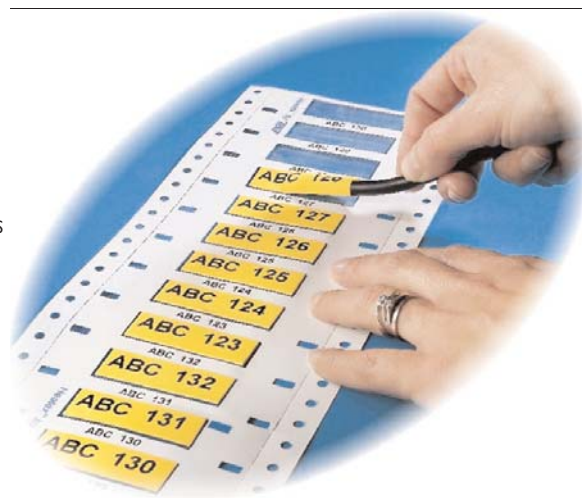


## Product Data

### Application Method - Heatshrink

Very flexible, high temperature rated, highly flame retardant, UL and CSA recognised heat shrinkable tubing (2:1 shrink ratio). Flexible polyolefin sleeves used for wire identification and insulation purposes. Markers are supplied in roll or fanfold form in a flattened format mounted on a carrier designed for use with thermal transfer printers.

- Shrink ratio 2:1
- Flame retardant meeting UL224
- Easy-pick application
- Sleeve diameters from 2.4mm to 50.1 mm
- Print performance to military requirements
- 12.5mm, 19mm, 25mm, 38mm, 50mm lengths
- Standard colours: White and Yellow.
- Rapid 24hr pre-print service available



Other colours are available for special orders

#### Storage

Store in original packaging.  
Recommended temperature at  
+10°C to 25°C at 45-55% R.H.  
Use within 3 years from date of manufacture.

#### Printer and Ribbon Recommended

Itag printer 300 Dpi (STP-A3-300-S-NC-S)  
Ribbon (TWR-110-300-BK-FTM)

#### Print Performance adherence White & Yellow

Specifications:  
- Adherence:  
MIL-M-81531 AS (SAE-AS81531-1998 Clause 4.6.2)  
Passed with following ribbons:  
TWR-110-300-BK-FTM

#### Print Performance Solvents White & Yellow

Specifications:  
- Resistance to solvents:  
MIL-STD-202G test method 215  
(MIL-M-81531 / AS SAE-AS81531-1998 Clause 3.4.2)  
Passed with following ribbon:  
TWR-110-300-BK-FTM

#### Specifications:

- MIL-DTL 23053/5 class 1  
- UL224 125° C 600V VW-1 FileNo.E48762  
CSA C22.2 No.198. 1File No. LR 33298

Thermal Properties	Typical Value
Heat Shock (250°Cx4h)	Pass
Elongation After Heat Ageing (175°Cx168h)	420%
Low Temperature Flexibility (-55°Cx4h)	Pass
Copper Corrosion (175°Cx16h)	Pass
Colour Stability (175°Cx24h)	Pass

Physical Properties	Typical Value
Longitudinal Change	0%
Specific Gravity	1,34
Tensile Strength	14MPa
Elongation at Break	410%
Secant Modulus	65MPa

Chemical Properties	Typical Value
Flammability	Pass
Water Absorption	0,25%
Fluid Resistance (after immersion 23°Cx24h)	Pass
Fungus Resistance	(7,25 to 16,50 MPa)

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### Ordering Information Example

HPS-024-125-WE-S Plug 1a



Applications: Designed for commercial use to provide high quality markers to a variety of applications. Can be used where a low shrink temperature is an important factor.  
Shrink Method: Any industrial grade heat gun may be used to shrink Itag™ Markers.

## Ordering Information

### Approval Standards

Manufactured to meet:

- MIL-DTL 23053/5 class 1

- UL224 125° C 600V VW-1 FileNo.E48762

CSA C22.2 No.198. 1File No. LR 33298

Nominal Diameter Supplied (B)	Nominal Diameter Recovered	Sleeve Length A	Markers Across	Markers/Box	Order Code	
					White	Yellow
2.4	1.2	12.5	4	4000	HPS-024-125-WE-S	HPS024-125-YW-S
2.4	1.2	19	2	2000	HPS-024-190-WE-S	HPS-024-190-YW-S
2.4	1.2	25	2	2000	HPS-024-250-WE-S	HPS-024-250-YW-S
2.4	1.2	38	1	1000	HPS-024-380-WE-S	HPS-024-380-YW-S
2.4	1.2	50	1	1000	HPS-024-500-WE-S	HPS-024-500-YW-S
3.2	1.6	12.5	4	4000	HPS-032-125-WE-S	HPS-032-125-YW-S
3.2	1.6	19	2	2000	HPS-032-190-WE-S	HPS-032-190-YW-S
3.2	1.6	25	2	2000	HPS-032-250-WE-S	HPS-032-250-YW-S
3.2	1.6	38	1	1000	HPS-032-380-WE-S	HPS-032-380-YW-S
3.2	1.6	50	1	1000	HPS-032-500-WE-S	HPS-032-500-YW-S
4.8	2.4	12.5	4	4000	HPS-048-125-WE-S	HPS-048-125-YW-S
4.8	2.4	19	2	2000	HPS-048-190-WE-S	HPS-048-190-YW-S
4.8	2.4	25	2	2000	HPS-048-250-WE-S	HPS-048-250-YW-S
4.8	2.4	38	1	1000	HPS-048-380-WE-S	HPS-048-380-YW-S
4.8	2.4	50	1	1000	HPS-048-500-WE-S	HPS-048-500-YW-S
6.4	3.2	12.5	4	4000	HPS-064-125-WE-S	HPS-064-125-YW-S
6.4	3.2	19	2	2000	HPS-064-190-WE-S	HPS-064-190-YW-S
6.4	3.2	25	2	2000	HPS-064-250-WE-S	HPS-064-250-YW-S
6.4	3.2	38	1	1000	HPS-064-380-WE-S	HPS-064-380-YW-S
6.4	3.2	50	1	1000	HPS-064-500-WE-S	HPS-064-500-YW-S
9.5	4.75	12.5	4	4000	HPS-095-125-WE-S	HPS-095-125-YW-S
9.5	4.75	19	2	2000	HPS-095-190-WE-S	HPS-095-190-YW-S
9.5	4.75	25	2	2000	HPS-095-250-WE-S	HPS-095-250-YW-S
9.5	4.75	38	1	1000	HPS-095-380-WE-S	HPS-095-380-YW-S
9.5	4.75	50	1	1000	HPS-095-500-WE-S	HPS-095-500-YW-S
12.7	6.35	12.5	4	2000	HPS-127-125-WE-S	HPS-127-125-YW-S
12.7	6.35	19	2	1000	HPS-127-190-WE-S	HPS-127-190-YW-S
12.7	6.35	25	2	1000	HPS-127-250-WE-S	HPS-127-250-YW-S
12.7	6.35	38	1	500	HPS-127-380-WE-S	HPS-127-380-YW-S
12.7	6.35	50	1	500	HPS-127-500-WE-S	HPS-127-500-YW-S
19.0	9.5	12.5	4	2000	HPS-190-125-WE-S	HPS-190-125-YW-S
19.0	9.5	19	2	1000	HPS-190-190-WE-S	HPS-190-190-YW-S
19.0	9.5	25	2	1000	HPS-190-250-WE-S	HPS-190-250-YW-S
19.0	9.5	38	1	500	HPS-190-380-WE-S	HPS-190-380-YW-S
19.0	9.5	50	1	500	HPS-190-500-WE-S	HPS-190-500-YW-S
25.4	12.7	12.5	4	1200	HPS-254-125-WE-S	HPS-254-125-YW-S
25.4	12.7	19	2	600	HPS-254-190-WE-S	HPS-254-190-YW-S
25.4	12.7	38	1	300	HPS-254-380-WE-S	HPS-254-380-YW-S
25.4	12.7	50	1	300	HPS-254-500-WE-S	HPS-254-500-YW-S
38.1	19.05	50	1	100	HPS-381-500-WE-S	HPS-381-500-YW-S
50.1	25.05	50	1	100	HPS-501-500-WE-S	HPS-501-500-YW-S

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