

## IDHST-Identification Marker Heat Shrinkable Sleeves

Identification Marker Heat Shrinkable Sleeves is flame-retardant, halogen free military grade heat-shrinkable polyolefin tubing used for wire identification and can be used for electrical insulation. It can withstand abrasion and exposure to cleaning solvents and other industrial fluids. This tubing can be custom printed with words and symbols on both sides by thermal transfer equipment and all markings are permanent after printing.

### Main Properties:

- ◇ Operating temperature: -55°C~+125°C
- ◇ Min. shrinking temperature: +85°C
- ◇ Full recovery temperature: +115°C
- ◇ Shrink Ratio: 2:1, 3:1
- ◇ Computer-printable
- ◇ Substitute Raychem RPS series
- ◇ Standard color: White or Yellow  
(other colors are available at requesting)
- ◇ Shrinking tool: Heat Gun or Hot air tools
- ◇ Certificate: RoHS ,UL



### Product Picture:



### Application:

- ◇ Wire and cable identification
- ◇ Aircraft
- ◇ High-speed rail
- ◇ Date center's facilities

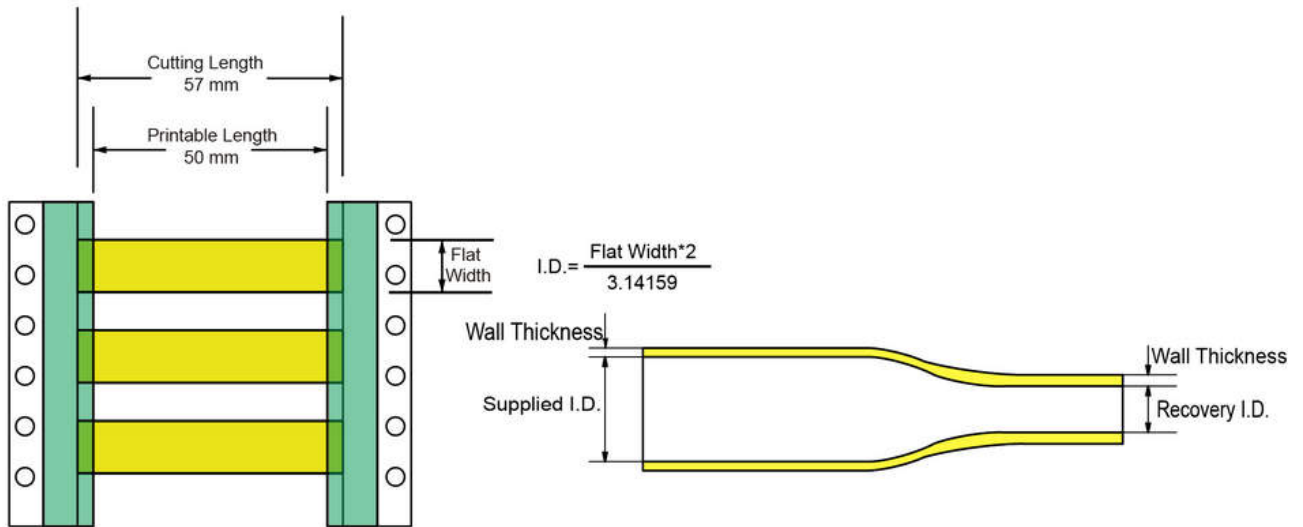
### Technical Data:

Item		Test Method	Specifications
Operation Temperature			-55°C~135°C
Tensile Strength		SAE-AMS-DTL-23053	≥10.3Mpa
Elongation		SAE-AMS-DTL-23053	≥200%
Flexibility (-55°C, 4hrs)		SAE-AMS-DTL-23053.4.6.7/-25°C±1°C/4h	No cracking
Heat shock		SAE-AMS-DTL-23053.4.6.8/250°C±3°C/4h	No cracking, dripping, flowing
After Aging In Circulating-air Oven	Appearance	SAE-AMS-DTL-23053.4.6.9/175°C±2°C/168h	No cracking
	Tensile Strength	SAE-AMS-DTL-23053.4.6.13	≥6.9Mpa
	Elongation	ASTM D638/23°C±2°C	≥100%
Color stability		SAE-AMS-DTL-23053.4.6.15/175°C±2°C/24h	Pass
Dielectric strength		SAE-AMS-DTL-23053.4.6.13 & ASTM D638/23°C±2°C	≥19.7KV/mm
Volume Resistance		SAE-AMS-DTL-23053.4.6.13 & ASTM D876/500VDC/1min	≥10 <sup>14</sup> Ω·cm
Flammability		SAE-AMS-DTL-23053.4.6.14 & ASTM D2671 UL224	Average burn time is <1
Solvent resistance		SAE-AMS-DTL-23053.4.6.11	No cracking
Print performance		SAE AS8153.4.6.2	50 Rubber erasure , legibility
Printing solvent resistance		MIL-STD-202G Method 215K	10 Rubber erasure , legibility

**Specification:**

Size		As Supplied(mm) MAX I.D.		After Recovery (mm) MAX I.D.		Recommended Use Range (mm)		Package
inch	mm	2:1	3:1	2:1	3:1	2:1	3:1	
3/32	2.4	2.40	2.40	1.20	0.80	1.30~2.00	0.90~2.00	2000pcs/roll
1/8	3.2	3.20	3.20	1.60	1.07	1.70~2.70	1.10~2.70	2000pcs/roll
3/16	4.8	4.80	4.80	2.40	1.60	2.50~4.10	1.80~4.10	2000pcs/roll
1/4	6.4	6.40	6.40	3.20	2.11	3.30~5.50	2.30~5.50	1500pcs/roll
3/8	9.5	9.50	9.50	4.80	3.20	4.90~8.00	3.50~8.00	1500pcs/roll
1/2	12.7	12.7	12.7	6.40	4.20	6.50~10.8	4.70~10.8	500pcs/roll
3/4	19.1	19.1	19.1	9.50	6.35	9.60~16.3	7.00~16.3	500pcs/roll
1	25.4	25.4	25.4	12.70	8.46	12.8~21.6	9.30~21.6	500pcs/roll
1-1/2	38.1	38.1	38.1	19.10	12.7	19.2~33.5	13.0~33.5	500pcs/roll
2	50.8	50.8	50.8	25.40	16.9	25.5~48.0	17.0~48.0	250pcs/roll

- 1.Maximum storage temperature +50°C /+122°F
- 2.Cutting in 50mm per piece, or 30 meters per roll.



**Normal Package:**

**50mm/pc**



**30meters/roll**



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