



J. M. Engineering Co.

## PRODUCTS

# Heat Shrink Sleeves

## Identification Labels



### Visit Us

Manhar Bldg., 3rd Floor, 177,  
Lohar Chawl, Mumbai –  
400002, Maharashtra (INDIA)



### Email Us

[info@jmenggco.in](mailto:info@jmenggco.in)



### Call Us

T: +91-22-2206 1671  
F: +91-22-2209 0291



# HNF

## Halogen Free Low Smoke Low Hazard Identification Sleeves

**Description:** HNF marker sleeve is a flattened, heat-shrinkable tubing designed for wire and cable harness identification. It can also be used for applications where limited fire hazard characteristics are necessary. The zero halogen material coupled with low smoke and low toxic fume emissions make this product perfectly used in enclosed spaces such as mass transit, marine and industrial installations.

**Standard :** NF F16-101, DIN5510-2, BS 6853, EN45545-2, SAE-AS 81531, MIL-STD-202F/Method 215J, RoHS ,FPA130

### Features

Material	The sleeving shall be fabricated from irradiated, thermally stabilized and flame retarded modified polyolefin compound containing no halogens or cadmium in the formulation.
Application range	Industrial environment ; Rail & mass transit; Aerospace & defense; Marine;
Operating temperature range	-55~+125
Minimum recovery temperature	+115
Maximum storage temperature	+40
Shrink ratio	2:1
Color	White, Yellow, other color is available if ordered
Printing mode	Single sided printing and Double sided printing formats available
Supplied mode	Either Continuous type or Ladder format type is available
Recommended Printers	Thermal transfer printer
Recommended Ribbons	N85 resin ribbon, Black, 100mm(width)*300m(length)

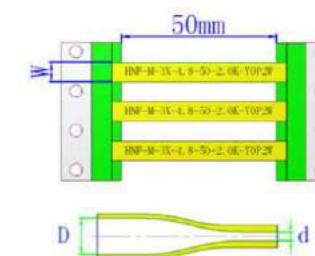
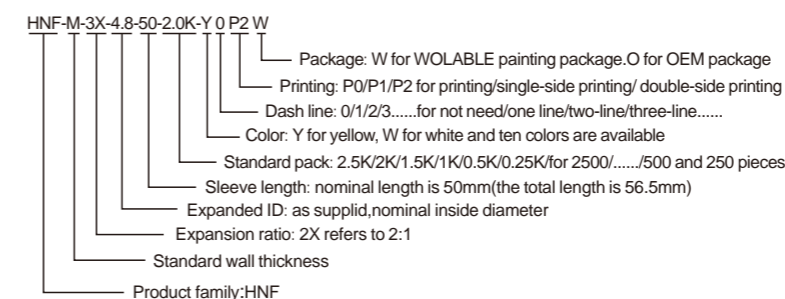
### Dimensions

Part Number	As Supplied (mm)			After Recovery(mm)	
	ID (D)	Flatten Width (W)	Double Wall Thickness	ID (d)	Single Wall Thickness
HNF-M-2X-2.4-	2.79±0.20	5.0±0.3	0.48±0.10	1.18	0.49±0.06
HNF-M-2X-3.2-	3.64±0.23	6.3±0.4	0.48±0.10	1.59	0.51±0.06
HNF-M-2X-4.8-	5.26±0.25	8.9±0.4	0.49±0.10	2.36	0.54±0.06
HNF-M-2X-6.4-	6.92±0.28	11.5±0.4	0.50±0.10	3.18	0.56±0.06
HNF-M-2X-9.5-	10.2±0.32	16.7±0.5	0.51±0.11	4.75	0.59±0.06
HNF-M-2X-12.7-	13.5±0.36	21.8±0.6	0.52±0.11	6.35	0.60±0.07
HNF-M-2X-19-	20.1±0.40	32.2±0.6	0.53±0.11	9.53	0.62±0.07
HNF-M-2X-25-	26.7±0.45	42.5±0.7	0.55±0.12	12.7	0.63±0.07
HNF-M-2X-38-	39.8±0.51	63.2±0.8	0.57±0.12	19.1	0.64±0.07

### Package Information

Ordering Size (HNF-M-2X)	Ladder Format Type	Continuous Type	
	A&B-Small Box Packing (PCS/Box)	A-Paper reel Packing (m/reel)	B-Plastic reel Packing (m/reel)
2.4	2500	50	25
3.2	2000	100	25
4.8	2000	100	25
6.4	2000	100	25
9.5	1000	100	25
12.7	1000	100	25
19	500	100	25
25	500	100	25
38	500	50	25

### Part Numbering System



Color code	BL	Br	R	Or	Y	G	Blu	V	Gr	W
Color	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White

Note Yellow and white are standard, other color is available if ordered.