

BH-2(MP)

Military Standard, Heat Shrink Printable Tube

Features/Applications:

Halogen-free flame-retardant cross-linked polyolefin heat-shrinkable marking sleeve; conforms to SAE AS 81531 4.6.2, EN45545-2 2013 R22/R23, RoHS, etc.; can be printed with a thermal transfer printer or a laser engraving machine according to the requirements of use Marking; Marking is scratch-resistant and solvent-resistant, and the marking effect is long-lasting; for patch products, you can choose to cut the 50mm long product with two or three equal parts of the tooth suture to adapt to the short marking situation and reduce the use of the marking tube, save costs.

The choice of heat transfer printers and laser plotter controlled by computers depends on the DPI(dot per inch), printing speed and effect you require and the cost affordable to you.

Identification marker sleeves are generally flattened with poriferous precision holder on both sides and a two-layer thin film to be cartridge- belt shape so that the printing process could be more automatic and precise in high speed.

- Shrink Ratio: 2:1 or 3:1
- ROHS compliant
- Halogen free, low smoke emission, highly flame retardant
- High reliability, permanent identification
- Heat sensitive, swift shrinking
- Computerized printing, fonts at your disposal
- Meets: EN45545-2 2013 R22/R2, SAE AS 81531 4.6.2
- single sided printing and Double sided printing formats available
- Standard color: Yellow and White(other color is available if ordered.)

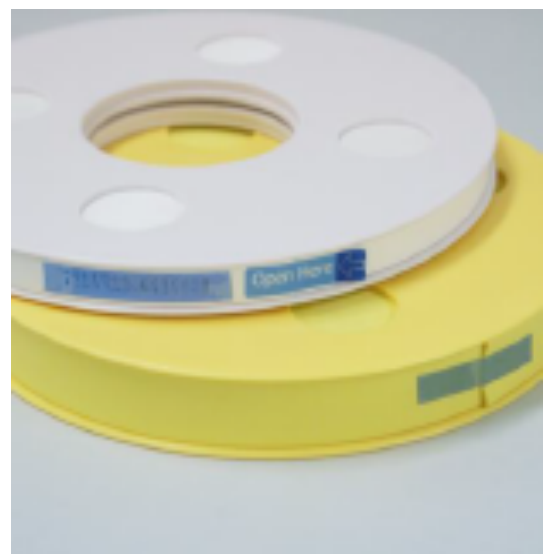
Rated temperature:

Continuous operating temperature: -55°C~+125°C

Min. shrink temperature: +75°C

Full recovery temperature: +135°C~+200°C

Max. storage and transportation temperature.: ≤+50°C



Technical Data



Property	Test Method	Value
Longitudinal change rate	ASTM D 2671	-2
Tensile strength	ASTM D2671	$\geq 10.3\text{MPa}$
Breakdown elongation	ASTM D2671	$\geq 200\%$
Aging(136C°/168hrs)	ASTM D2671	$\geq 100\%$
Breakdown Elongation		
Low temperature flexibility (-55C°/4hrs)	ASTM D2671	No Cracking
Heat shock(200C°/4hrs)	ASTM D2671	No drips, no flow, no cracks
Water absorption(23C°/24hrs)	ASTM D2671	$\leq 1.0\%$
Withstand voltage	ASTM D2671	AC2500V×60S, No breakdown
Dielectric strength	ASTM D2671	$\geq 19.7\text{kV/mm}$
Volume resistivity	ASTM D2671	$\geq 1.0 \times 10^{14} \Omega \cdot \text{cm}$
Flame retardant	ASTM D2671 Method B	Self-extinguishing within 60s after leaving the fire
Copper corrosion	ASTM D2671	No corrosion
Printing performance	SAE AS5942	50 erasers, the logo is identifiable
	MIL-STD-202	Wipe back and forth 30 times, the logo is identifiable
Liquid resistance(23C°/24hrs)	SAE AS5942	Recognizable printing logo

Product Dimensions (mm/inch)



BH-2(MP) Shrink ratio-2:1:

Part Number	As Supplied (mm)		After Recovery(mm)		Applicable cable (mm)
	ID(D) \geq (mm)	Flatten Width \geq (mm)	ID(d)	Single Wall Thickness	
BH-2(MP)-M-2X-1.6-	1.6	3.4	≤ 0.79	0.44 ± 0.06	0.87 ~ 1.36
BH-2(MP)-M-2X-2.4-	2.4	4.7	≤ 1.18	0.46 ± 0.06	1.27 ~ 1.90
BH-2(MP)-M-2X-3.2-	3.2	5.9	≤ 1.59	0.58 ± 0.06	1.75 ~ 2.66
BH-2(MP)-M-2X-4.8-	4.8	8.5	≤ 2.36	0.58 ± 0.06	2.54 ~ 4.06
BH-2(MP)-M-2X-6.4-	6.4	11.1	≤ 3.18	0.62 ± 0.06	3.81 ~ 5.46
BH-2(MP)-M-2X-9.5-	9.5	16.2	≤ 4.75	0.63 ± 0.06	5.59 ~ 8.12
BH-2(MP)-M-2X-12.7-	12.7	21.2	≤ 6.35	0.65 ± 0.07	6.99 ~ 10.79
BH-2(MP)-M-2X-19.1-	19.1	31.2	≤ 9.53	0.68 ± 0.07	10.1 ~ 16.25
BH-2(MP)-M-2X-25.4-	25.4	41.5	≤ 12.7	0.70 ± 0.07	13.97 ~ 21.5
BH-2(MP)-M-2X-38.1-	38.1	62.2	≤ 19.1	0.73 ± 0.07	21.01 ~ 32.3
BH-2(MP)-M-2X-50.8-	50.8	82.4	≤ 25.4	0.74 ± 0.08	27.94 ~ 43.1
BH-2(MP)-M-2X-76.2-	76.2	123.8	≤ 38.1	0.75 ± 0.09	41.91 ~ 64.6

BH-2(MP) Shrink ratio-3:1:

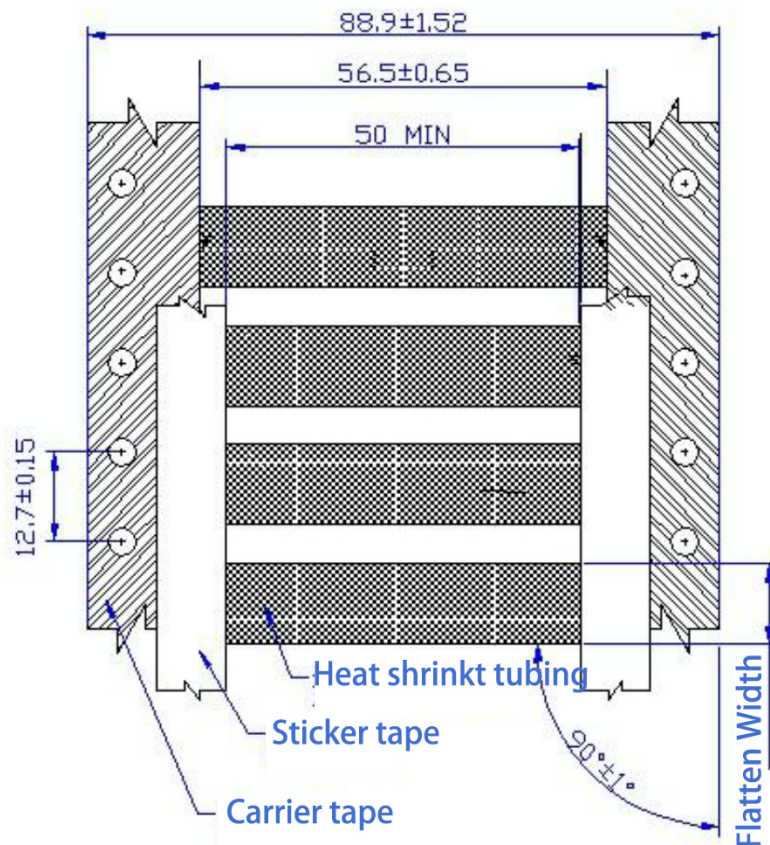
Part Number	As Supplied (mm)		After Recovery(mm)		Applicable cable (mm)
	ID(D) \geq (mm)	Flatten Width \geq (mm)	ID(d)	Single Wall Thickness	
BH-2(MP)-M-3X-1.6-	1.6	3.4	≤ 0.79	0.44 ± 0.06	0.55 ~ 1.27
BH-2(MP)-M-3X-2.4-	2.4	4.7	≤ 1.18	0.46 ± 0.06	0.81 ~ 1.90
BH-2(MP)-M-3X-3.2-	3.2	5.9	≤ 1.59	0.58 ± 0.06	1.11 ~ 2.66
BH-2(MP)-M-3X-4.8-	4.8	8.5	≤ 2.36	0.58 ± 0.06	1.75 ~ 4.06
BH-2(MP)-M-3X-6.4-	6.4	11.1	≤ 3.18	0.62 ± 0.06	2.31 ~ 5.46

BH-2(MP)-M-3X-9.5-	9.5	16.2	≤ 4.75	0.63 ± 0.06	3.47 ~ 8.12
BH-2(MP)-M-3X-12.7-	12.7	21.2	≤ 6.35	0.65 ± 0.07	4.64 ~ 10.79
BH-2(MP)-M-3X-19.1-	19.1	31.2	≤ 9.53	0.68 ± 0.07	6.99 ~ 16.25
BH-2(MP)-M-3X-25.4-	25.4	41.5	≤ 12.7	0.70 ± 0.07	9.29 ~ 21.59
BH-2(MP)-M-3X-38.1-	38.1	62.2	≤ 19.1	0.73 ± 0.07	14.2 ~ 32.41
BH-2(MP)-M-3X-50.8-	50.8	82.4	≤ 25.4	0.74 ± 0.08	18.9 ~ 43.22
BH-2(MP)-M-3X-76.2-	76.2	123.8	≤ 38.1	0.75 ± 0.09	28.4 ~ 64.80

Package Specification

Item#	Size	Ladder Format type(Pc/Roll)	Continuous type(Meters/Spool)
1	Φ1.6	2500	50
2	Φ2.4	2500	50
3	Φ3.2	2500	100
4	Φ4.8	2000	100
5	Φ6.4	2000	100
6	Φ9.5	1000	100
7	Φ12.7	1000	100
8	Φ19.1	500	100
9	Φ25.4	500	100
10	Φ38.1	250	50
11	Φ50.8	250	50
12	Φ76.2	250	50

Ladder format type engineer drawing



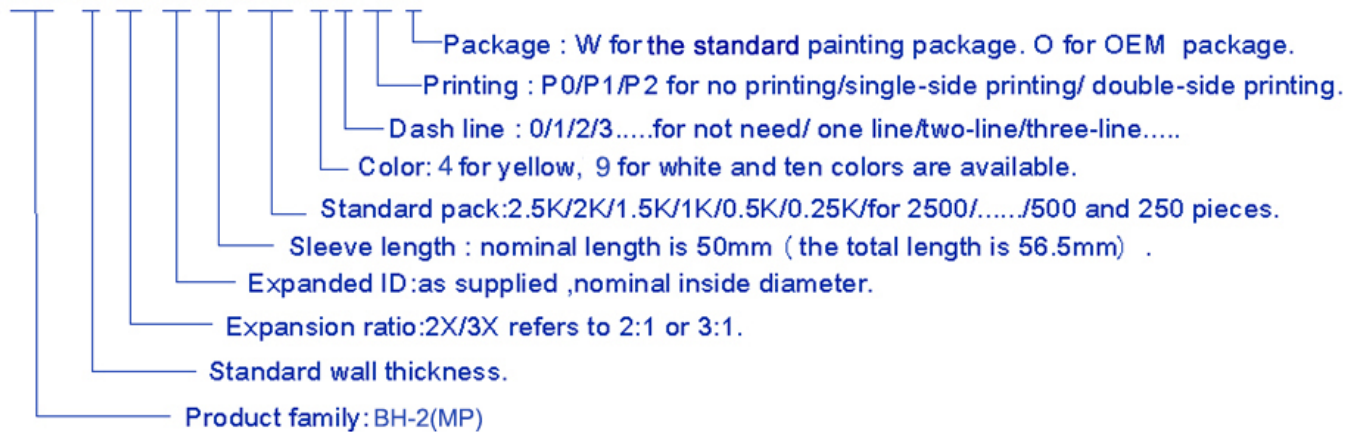
Color Number

Number	0	1	2	3	4	5	6	7	8	9
Color	Black (BK)	Brown (BN)	Red (RD)	Orange (OG)	Yellow (YE)	Green (GN)	Blue (BU)	Violet (VT)	Grey (GY)	White (WE)

Part Number System:

Ladder Format Type

BH-2(MP)-M-3X-4.8-50-2.0K-4 0 P 2 W



Continuous Type

BH-2(MP)-M-3X-4.8-50-25M-4 P 2 W

