



## HF

### HALOGEN FREE

- Zero Halogen
- Shrink Ratio 2:1
- Print onto Paper Liner for QA
- Flame retardant to meet UL224
- Backwards compatible for most printers
- Perforation after every sleeve for easy sorting
- Print performance to Military Specifications
- Colours - white and yellow

### GENERAL INFORMATION

Low smoke, zero-halogen, flame retardant heat shrinkable tubing (2:1 shrink ratio). Flexible polyolefin sleeves ideal printability properties for identification purposes for wire identification and insulation purposes.

The tubing contains no added halogens and offers excellent fire safety characteristics combined with minimal smoke emission. Markers are supplied in a ladder format, designed for use with thermal transfer printers.

### TECHNICAL INFORMATION

#### Approvals and Standards

Certified and issued to:

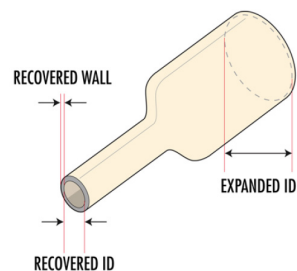
- UL224 VW-1 Flammability
- SAE-AMS-DTL-23053/18

Property	Value
Continuous Operating Temperature	-30°C to +105°C
Elongation After Heat Ageing (150°Cx168h)	250% Min.
Heat Shock (225°Cx4h)	Pass no crack, flowing or dripping
Min. Shrink Temp. for full Recovery	+90°C
Longitudinal Change	+5%, -10% Max.
Tensile Strength	13 MPa Min.
Elongation at Break	400% Min.
Oxygen Index	36%
Dielectric Strength	20 kV/mm <sup>2</sup>
Volume Resistivity	1014 ohm cm

## APPLICATION

### Additional Information

Printer 300dpi: MK10  
 Ribbon MK10-RB-BK2020-100  
 Print Performance: -  
 Adherence: SAE-AS81531-1998 Clause 4.6.2  
 Fluid Resistance: MIL202 Method 215J 2002  
 (MIL-M-81531/AS SAE-AS81531-1998 clause 3.4.3)  
 Store in original packaging  
 Recommended temp. at +10°C to 25°C 45-55% R.H.  
 Use within 3 years from date of manufacture



## PRODUCT AND ORDER INFORMATION

Nominal Diameter Supplied (ID)	Nominal Diameter Recovered	Sleeve length	Markers Across	Markers / Box	Order code
2.4	1.2	12.5	4	4000	HF^024125LR*
2.4	1.2	25	2	2000	HF^024250LR*
2.4	1.2	50	1	1000	HF^024500LR*
3.2	1.6	12.5	4	4000	HF^032125LR*
3.2	1.6	25	2	2000	HF^032250LR*
3.2	1.6	50	1	1000	HF^032500LR*
4.8	2.4	12.5	4	4000	HF^048125LR*
4.8	2.4	25	2	2000	HF^048250LR*
4.8	2.4	50	1	1000	HF^048500LR*
6.4	3.2	12.5	4	4000	HF^064125LR*
6.4	3.2	25	2	2000	HF^064250LR*
6.4	3.2	50	1	1000	HF^064500LR*
9.5	4.75	12.5	4	2000	HF^095125LR*
9.5	4.75	25	2	1000	HF^095250LR*
9.5	4.75	50	1	500	HF^095500LR*
12.7	6.4	12.5	4	2000	HF^127125LR*
12.7	6.4	25	2	1000	HF^127250LR*
12.7	6.4	50	1	500	HF^127500LR*
19.0	9.5	12.5	4	2000	HF^190125LR*
19.0	9.5	25	2	1000	HF^190250LR*
19.0	9.5	50	1	500	HF^190500LR*
25.4	12.7	12.5	4	1200	HF^254250LR*
25.4	12.7	25	2	600	HF^254500LR*
25.4	12.7	50	1	300	HF^381500LR*
38.1	19.1	50	1	100	HF^508500LR*

\*= colour (4= yellow, 9= white)  
 ^=printable sides (S=single sided, D=Double sided)

### Ordering Information Example

HF ^ 032 050 LR \*

\_\_\_\_\_ Colour (4=Yellow, 9=White)  
 \_\_\_\_\_ Packaging type  
 \_\_\_\_\_ Marker width mm  
 \_\_\_\_\_ Marker length mm  
 \_\_\_\_\_ Printable sides (S=Single sided, D=Double sided)  
 \_\_\_\_\_ Product

PARTEX MARKING SYSTEMS AB

SE-547 22 GULLSPÅNG, SWEDEN  
 PHONE +46 (0)551 280 00 • FAX +46 (0)551 280 99  
 SALES@PARTEX.SE • WWW.PARTEX.NU