

# HP(X) Sleeving (2:1) – Technical Data Sheet

## Product Data

### Storage:

Cool dry place out of direct sunlight  
Recommended temp +10°C to 25°C

### Recommended Printer & Ribbon:

#### Sumitag Printer:

300 DPI Printer    STP-XD4T-300-S-NC-S  
STP-SQX-300M-S-NC-510

Ribbon            2020 series            Black  
                         173 Series            White

*See Ribbon TDS for Print performance*

#### Material:

Flexible Polyolefin

#### Operating Temperature:

-55°C to +135°C

## Application Method – Shrink on

HP (High Performance) sleeving (Also known as Mil Spec) is Very flexible, high temperature rated, highly flame retardant, heat shrinkable tubing (2:1 shrink ratio). Flexible polyolefin sleeves used for wire identification and insulation purposes. Markers are supplied roll form in a flattened format on a carrier designed for use with both dot matrix and transfer thermal printers. Can also be supplied on spools for continuous printing applications.

- Flame Retardant
- Self-Extinguishing
- Print onto Paper liner for QA
- Print Performance to Military requirements (See ribbon TDS)
- Available in 12 colours
- 12.5, 25 & 50mm Sleeve lengths



Property	Value	Test Method
Operating Temperature	-55°C to +135°C	
Flammability	VW-1	UL 224
Elongation after heat ageing	420%	SAE-AS23053
Heat shock	Pass	SAE-AS23053
Longitudinal change	0% - -2%	SAE-AS23053
Tensile Strength	>14 MPa	ASTM D 638
Elongation at break	>400 %	ASTM D 638
Secant Modulus	65 MPa	ASTM D 412
Voltage rating	600V	UL 224
Min. shrink temp for full recovery	90°C	Shrink Curve

# HP(X) Sleeving (2:1) – Technical Data Sheet

## Ordering Information



### 2:1 Sleeves:

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Markers/Box	Order Code
2.4mm	1.2mm	0.41	1000	HPS-024-500-**-S-2X
3.2mm	1.6mm	0.27	1000	HPS-032-500-**-S-2X
4.8mm	2.4mm	0.27	1000	HPS-048-500-**-S-2X
6.4mm	3.2mm	0.33	1000	HPS-064-500-**-S-2X
9.5mm	4.8mm	0.33	500	HPS-095-500-**-S-2X
12.7mm	6.4mm	0.33	500	HPS-127-500-**-S-2X
19.1mm	9.5mm	0.43	500	HPS-191-500-**-S-2X
25.4mm	12.7mm	0.48	300	HPS-254-500-**-S-2X
38.1mm	19.1mm	0.50	100	HPS-381-500-**-S-2X
50.8mm	25.4mm	0.50	100	HPS-508-500-**-S-2X

\*\* = See colour codes below

### 2:1 Continuous sleeving:

Minimum ID Supplied mm	Maximum ID Recovered mm	Spool Length Meters	Spool Diameter	Colour Code	Order Code
1.6mm	0.8	30 Meter	210mm	BK=Black *	MIL-016-30M-**-2X
2.4mm	1.2	30 Meter	210mm	BN=Brown	MIL-024-30M-**-2X
3.2mm	1.6	30 Meter	210mm	RD=Red *	MIL-032-30M-**-2X
4.8mm	2.4	30 Meter	210mm	OR=Orange	MIL-048-30M-**-2X
6.4mm	3.2	30 Meter	210mm	YW=Yellow *	MIL-064-30M-**-2X
9.5mm	4.8	30 Meter	210mm	GN=Green	MIL-095-30M-**-2X
12.7mm	6.4	30 Meter	210mm	BE=Blue *	MIL-127-30M-**-2X
19.1mm	9.5	30 Meter	210mm	VT=Violet	MIL-191-30M-**-2X
25.4mm	12.7	20 Meter	210mm	GY=Grey	MIL-254-20M-**-2X
38.1mm	19.1	15 Meter	210mm	WE=White *	MIL-381-20M-**-2X
50.8mm	25.4	15 Meter	210mm	PE=Pink	MIL-508-15M-**-2X
				TR=Trans	

Please contact us for any sizes not listed.....

### Business Management Accreditations



Registered in England No. 412829