

MIL Sleeving (3:1) Metric – 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

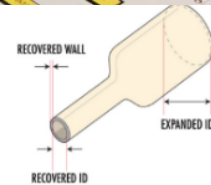
Operating Temperature:

-55°C to +135°C

Application Method – Shrink on

MIL 3:1 sleeving is very flexible, high temperature rated, highly flame retardant, heat shrinkable tubing. 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



3:1 Sleeves:

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Minimum Markers/Box	Order Code
1.5	0.5	0.5	1000	MIL-015-500-**-S-3X_V2
3.0	1.0	0.6	1000	MIL-030-500-**-S-3X_V2
4.8	1.6	0.65	1000	MIL-048-500-**-S-3X_V2
6.0	2.0	0.7	1000	MIL-060-500-**-S-3X_V2
9.0	3.0	0.8	500	MIL-090-500-**-S-3X_V2
12.0	4.0	0.85	500	MIL-120-500-**-S-3X_V2
18.0	6.0	1.0	500	MIL-180-500-**-S-3X_V2
24.0	8.0	1.2	300	MIL-240-500-**-S-3X_V2
40.0	13.0	1.25	100	MIL-400-500-**-S-3X_V2

** = See colour codes below

3:1 Continuous sleeving:

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Minimum Spool length (M)	Order Code
1.5	0.5	0.5	30	MIL-015-30M-**-3X
3.0	1.0	0.6	30	MIL-030-30M-**-3X
4.8	1.6	0.65	30	MIL-048-30M-**-3X
6.0	2.0	0.7	30	MIL-060-30M-**-3X
9.0	3.0	0.8	30	MIL-090-30M-**-3X
12.0	4.0	0.85	30	MIL-120-30M-**-3X
18.0	6.0	1.0	30	MIL-180-30M-**-3X
24.0	8.0	1.2	20	MIL-240-20M-**-3X
40.0	13.0	1.25	15	MIL-400-15M-**-3X

** = see colour codes below

Colour Codes

BK Black
BN Brown
RD Red
OR Orange
YW Yellow
GN Green

Colour Codes

BE Blue
VT Violet
GY Grey
WE White
PK Pink

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

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Product Properties

Property	Result	Test Method
Operating Temperature	-55°C to +135°C	SAE-AS23053
Min. Shrink Temperature for Full Recovery	+90°C	Shrink Curve
Shrinking starts at	+60°C	Shrink Curve
Heat Shock (250°C x 4h)	no crack, flowing or dripping	SAE-AS23053
Cold bend (-55°C x 4h)	no cracks	UL 224
Elongation After Heat Ageing (158°C x 168h)	>400%	SAE-AS23053
Copper Corrosion (158°C x 168h)	Pass	SAE-AS23053
Copper Stability (158°C x 168h)	Pass	SAE-AS23053
Longitudinal Change	-7%	SAE-AS23053
Tensile Strength	>12 MPa	ASTM D 638
Elongation at Break	>400%	ASTM D 638
Specific Gravity	1.34	ASTM D 792
Secant Modulus	65 MPa	ASTM D 882
Flammability*	Pass	UL 224 VW-1
Water Absorption	0.25%	ASTM D 570
Fluid Resistance (after immersion 24°C x 24h)	7.25-14MPa	SAE-AS23053
Fungus Resistance	Pass	SAE-AS23053
Ozone Resistance	Pass	NF F 00-608
Voltage Rating	600V	UL 224
Dielectric Voltage Withstand (2.5kV x 60sec.)	Pass	UL 224
Volume Resistivity	3.1×10^{14} Ohm-cm	ASTM D 876
Dielectric Strength	>30 kV/mm	ASTM D 876

*Results derived from UL registered product.

Business Management Accreditations



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