

HTD Sleeving – Technical Data Sheet

Product Data

Storage:

Cool dry place out of direct sunlight

Recommended Printer & Ribbon:

Sumitag Printer:

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

Ribbon TTR-080-300-BK-HT Black

Material:

Fluoropolymer

Operating Temperature:

-55°C to 175°C

Application Method – Shrink on

The Sumitag HT (High Temperature) sleeving is specifically designed for the marking of cables in extreme environments. It is extremely strong with high tear strength properties, suitable for a variety of applications where legible and durable identification is required. The standard range comprises one colour. The markers are supplied on rolls for thermal transfer printing, which means production, storage and picking are easy and convenient. The raw material is rated to a temperature of 175°C. The material is flexible, flame retardant and hydrolysis resistant which means the material will not break down in reaction to water. For use in harsh chemical environments the combination of the HT (High Temperature) Sleeving and HT series ribbon shows great fluid resistance. Can also be supplied on spools for continuous printing applications.

- Flame Retardant
- NSA937201 MK Qualified
- High Print Performance
- One colour - white
- 12.5, 25 & 50mm Sleeve lengths
- Print onto paper liner for QA



Order Information

Sleeving 2:1

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Minimum Markers/Box	Order Code
2.4mm	1.2mm	0.41	1000	HTD-024-500-WE-S-2X_V2
3.2mm	1.6mm	0.27	1000	HTD-032-500-WE-S-2X_V2
4.8mm	2.4mm	0.27	1000	HTD-048-500-WE-S-2X_V2
6.4mm	3.2mm	0.33	1000	HTD-064-500-WE-S-2X_V2
9.5mm	4.8mm	0.33	500	HTD-095-500-WE-S-2X_V2
12.7mm	6.4mm	0.33	500	HTD-127-500-WE-S-2X_V2
19.1mm	9.5mm	0.43	500	HTD-191-500-WE-S-2X_V2
25.4mm	12.7mm	0.48	300	HTD-254-500-WE-S-2X_V2
38.1mm	19.1mm	0.50	100	HTD-381-500-WE-S-2X_V2
50.8mm	25.4mm	0.50	100	HTD-508-500-WE-S-2X_V2

Continuous Sleeving 2:1

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Minimum Markers/Box	Order Code
2.4mm	1.2mm	0.41	30M	HTC-024-30M-WE-2X
3.2mm	1.6mm	0.27	30M	HTC-032-30M-WE-2X
4.8mm	2.4mm	0.27	30M	HTC-048-30M-WE-2X
6.4mm	3.2mm	0.33	30M	HTC-064-30M-WE-2X
9.5mm	4.8mm	0.33	30M	HTC-095-30M-WE-2X
12.7mm	6.4mm	0.33	30M	HTC-127-30M-WE-2X
19.1mm	9.5mm	0.43	30M	HTC-191-30M-WE-2X
25.4mm	12.7mm	0.48	20M	HTC-254-20M-WE-2X
38.1mm	19.1mm	0.50	20M	HTC-381-20M-WE-2X
50.8mm	25.4mm	0.50	15M	HTC-508-15M-WE-2X

Other colours available on demand please contact your SEI sales representative.

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Product Properties

Property	Result	Test Method
Operating Temperature	-55°C to 175°C	SAE-AS23053
Min. Shrink Temperature	150°C	Shrink curve
Shrinking starts at	120°C	Shrink curve
Longitudinal change	Pass	IEC60684-2 (Section 9)
Tensile Strength	Pass	IEC60684-2 (Section 19)
Ultimate Elongation	Pass	IEC60684-2 (Section 19)
Specific gravity	Pass	ASTM D792 / SAE 23053
Split testing	Pass	ECM220475
Workmanship standard	Pass	AMS AS5942 / EN 6059-407
Heat Shock	Pass	EN 60684-2 section 6 (19.1 & 19.2) AS5942 & EN 6059-407
Heat Resistance	Pass	EN 60684-2 section 39 (19.1 & 19.2) AS5942 & EN 6059-407
Thermal Cycling	Pass	ECM220475
Bending at low temperature	Pass	EN 60684-2 section 14 AS5942 & EN 6059-407
Copper (mirror) corrosion	Pass	BS EN 60684- 2 Section 33
Water Absorption	Pass	BS EN 60684- 2 Section 40
UV Resistance	Pass	ASTM G-154
2% Secant Modulus	Pass	BS EN 60684- 2 Section 19.5
Fluid Resistance	Pass	BS EN 60684- 2 Section 19.4
Flammability/ Fire propagation	Pass	ABD0031 AITM2-0038 (B)
Specific Optical Smoke Density	Pass	ABD0031 AITM2-0007 (B)
Toxic Gas Generation	Pass	ABD0031 AITM 2-0008 (B)
Breakdown Voltage	Pass	BS EN 60684-2 Method 21.2
Volume resistivity	Pass	BS EN 60684-2 Method 23
Marking adherence	Pass	SAE-AS5942 EN 6059-407
Solvent Resistance	Pass	MIL-STD-202G
Colour Fastness to light	Pass	IEC60684-2 section 34
Fungus resistance	Pass	ASTM G21
Fluid Susceptibility	No deterioration observed.	ISO 1817 Liquid B @ 40°C
	No deterioration observed.	ISO 1817 Liquid F @ 40°C
	No deterioration observed.	Isopropanol Alcohol @ 40°C
	No deterioration observed.	25% Propanol 75% White spirit @ 25°C

Business Management Accreditations



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