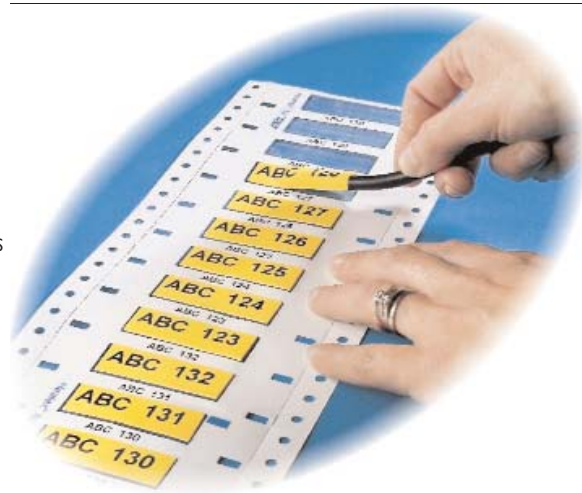


Product Data

Application Method -

Low smoke, 0-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 roll form in a flattened format on a carrier designed for use with both dot matrix and Single and Dual head transfer thermal printers.

- Shrink ratio 2:1
- Flame retardant meeting UL224
- Easy-pick application
- Sleeve diameters from 2.4mm to 50.1 mm
- Print performance to military requirements
- 12.5mm, 19mm, 25mm, 38mm, 50mm lengths
- Standard colours: White and Yellow.
- Rapid 24hr pre-print service available



Storage

Store in original packaging. Recommended temperature at +10°C to 25°C at 45-55% R.H.
Use within 3 years from date of manufacture.

Printer and Ribbon Recommended

Itag printer QLS-2001 Dual Head Thermal Transfer Printer
Itag printer 300 Dpi
Ribbon

Print Performance adherence White & Yellow

Specifications:
- Adherence: MIL-M 81531 AS
(SAE-AS81531-1998), Point 4.6.2.
Passed with following black ribbon on white and yellow tubing:
TWR-110-300-BK-FTI-Y

Print Performance Solvents White & Yellow

Specifications:
- Resistance to solvents (shrunk condition):
MIL-STD-202G test method 215 2002
(MIL-M-81531/AS SAE-AS81531-1998 Clause 3.4.3)
Passed with following black ribbons:
TWR-110-300-BK-FTI-Y

Standard colours: White and Yellow.

Other colours are available for special orders

Thermal Properties	Typical Value
Heat Shock 4 hours at 225°C	No dripping, cracking or flowing
Heat Aging 168 hour 150°C	Elongation 250%
Low Temperature Flexibility -40°C	No cracking
Flammability	Pass

Physical Properties	Typical Value
Tensile Strength	13 N/mm ²
Elongation at Break	400%
Longitudinal Change	+5%, -10% maximum
Water Absorption	0.15%
Specific Gravity	1.35 g/cm ³

Chemical Properties	Typical Value
Fungus Resistance	Inert
Chemical Resistance	Good
Copper Corrosion	Good
Oxygen Index	36%

Electrical Properties	Typical Value
Dielectric Strength	20 kV/mm ²
Volume Resistivity	1014 ohm.cm

Siegrist-Orel Limited Hornet Close
Pysons Road Industrial Estate
Broadstairs Kent CT10 2LQ

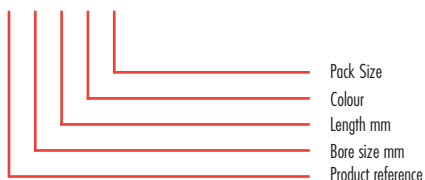
t : +44 (0) 1843 865241
f : +44 (0) 1843 867180
e : info@siegrist-orel.co.uk



Ordering Information

Ordering Information Example

ZHD- 032-500- WE- S



Applications: Designed for common uses to provide high quality markers to a variety of applications. Shrink Method: Any industrial grade heat gun may be used to shrink Itag™ Markers. The Itag TWR-110-300-BK-FTI-Y Series ribbon is recommended for best thermal transfer print performance.

Approval Standards

Manufactured to meet:

Nominal Diameter Supplied (B)	Nominal Diameter Recovered	Sleeve Length A	Markers Across	Markers/Box	Order Code		Range of Wire-Diameter mm
					White	Yellow	
2.4	1.2	25	2	2000	ZHD-024-250-WE-S	ZHD-024-250-YW-S	0.58 - 2.03
2.4	1.2	50	1	1000	ZHD-024-500-WE-S	ZHD-024-500-YW-S	0.58 - 2.03
3.2	1.6	25	2	2000	ZHD-032-250-WE-S	ZHD-032-250-YW-S	1.57 - 2.79
3.2	1.6	50	1	1000	ZHD-032-500-WE-S	ZHD-032-500-YW-S	1.57 - 2.79
4.8	2.4	25	2	2000	ZHD-048-250-WE-S	ZHD-048-250-YW-S	2.39 - 3.81
4.8	2.4	50	1	1000	ZHD-048-500-WE-S	ZHD-048-500-YW-S	2.39 - 3.81
6.4	3.2	25	2	2000	ZHD-064-250-WE-S	ZHD-064-250-YW-S	3.18 - 5.46
6.4	3.2	50	1	1000	ZHD-064-500-WE-S	ZHD-064-500-YW-S	3.18 - 5.46
9.5	4.75	25	2	2000	ZHD-095-250-WE-S	ZHD-095-250-YW-S	4.78 - 8.13
9.5	4.75	50	1	1000	ZHD-095-500-WE-S	ZHD-095-500-YW-S	4.78 - 8.13
12.7	6.35	25	2	1000	ZHD-127-250-WE-S	ZHD-127-250-YW-S	6.35 - 11.43
12.7	6.35	50	1	500	ZHD-127-500-WE-S	ZHD-127-500-YW-S	6.35 - 11.43
19.0	9.5	25	2	1000	ZHD-190-250-WE-S	ZHD-190-250-YW-S	
19.0	9.5	50	1	500	ZHD-190-500-WE-S	ZHD-190-500-YW-S	
25.4	12.7	50	1	300	ZHD-254-500-WE-S	ZHD-254-500-YW-S	11.43 - 24.13
38.1	19.05	50	1	100	ZHD-381-500-WE-S	ZHD-381-500-YW-S	
50.1	25.05	50	1	100	ZHD-501-500-WE-S	ZHD-501-500-YW-S	

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