XLH Range - Thin Wall - High Shrink & XDW - Thin Wall - Glue Lined

XLH Range - Thin Wall - High Shrink

The XLH range is a Thin Walled High Shrink Ratio Tubing, which is used in areas where the shrink diameters of the smallest and largest shrink vary a lot. A typical use is for connectors on the end of the cord, where the tubing will shrink around the connector, and around the wire. Because of the high shrink ratio, it is usually possible to slip the tubing over the connector, and shrink it onto a cord, which is significantly smaller than the connector.

- Highly flexible
- Flame retardant
- Abrasion and impact resistant
- Available in ultraviolet resistant black only
- Continuous operating temperature - 75°C to 135°C
- Nominal shrink ratio 3:1
- In house cutting facility is available for cut lengths

The tubing is available on reels.
It should be shrunk using a heatgun such as the CABAC HG2000 general purpose heatgun.

Catalogue No.	Pre-Shrink Diameter (mm)	After Shrink Diameter (mm)	Recovered Wall Thickness (mm)	Standard Reel Qty (m)
XLH1.5BK	1.6	0.5	0.45	200
XLH3BK	3.2	1.0	0.55	200
XLH6BK	6.4	2.0	0.65	100

Merchandising Kits

- Handy merchandiser kits for retail display and small user.

Technical Data

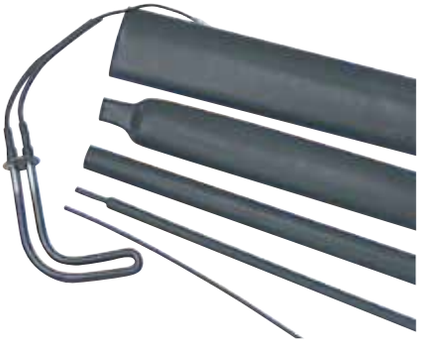
Conformant Standards	MIL-1-23053/5; JIS
Material	Cross-linked, thermally stabilised flame retardant polyolefin
Continuous Operating Temp	-75°C to +135°C
Shrinkage Temp	> 100°C
Longitudinal Shrinkage	< 5%
Tensile Strength	16 MPa
Breakdown Voltage	25 kV/mm wall thickness
Volume Resistivity	1.0 x 10^{14} ohm cm
Elongation at Break Point	400%
Water Absorption	0.15% max
Flammability	Passed ASTM-D-2671
UV Stability	Black tubing is stable
Voltage Rating	600V

XDW - Thin Wall - Glue Lined

XDW is a Thin Walled Heatshrink Tube with a Glue Lined inner surface. It is made from a single extrusion of polyolefin that is partially irradiated and as such is commonly referred to as 'dual walled'.

- Highly flexible
- Very high shrink ratio 3:1
- Flame retardant
- Good mechanical adhesion

This is a material with many applications in the electrical and mechanical protection areas. Since the glue holds the tubing in place it is commonly used for brake and fuel pipe protection in the automotive industry. Typical electrical applications are strain relief on cords, and insulation repair. In general the tube is not recommended for waterproofing since the glue layer is primarily a mechanical adhesion and is thin. Use SMDW for fail safe waterproof joints.
It should be shrunk using a heatgun such as the CABAC HG2000 general purpose heatgun



Catalogue No.	Pre Shrink Diameter (mm)	After Shrink Diameter (mm)	Recovered Wall Thickness (mm)	Standard Length (m)
XDW3BK	3.0	1.0	1.0	1.2
XDW5BK	4.8	1.5	1.0	1.2
XDW7BK	6.0	2.0	1.0	1.2
XDW10BK	9.0	3.0	1.4	1.2
XDW13BK	12.0	4.0	1.6	1.2
XDW20BK	19.1	6.0	2.15	1.2
XDW25BK	24.0	8.0	2.4	1.2
XDW38BK	40.0	13.0	2.4	1.2
XDW51BK	50.0	19.0	2.4	1.2

Note: Wall thickness includes the glue liner.

Technical Dat

Conformant Standa	
Material	Dual wall, flexible, flame retardant, EVA based
Continuous Operating Temp	-55°C to +110°C
Shrinkage Temp	Starts at 90°C, completed at 125°C
Tensile Strength	10.5 MPa
Elongation at Break Point	200%
Longitudinal Shrinkage	15%
Breakdown Voltage	20 kV/mm wall thickness
Volume Resistivity	1.0 x 10^{14} ohm cm
Water Absorption	0.5%
Flammability	All tubing flame test: pass
UV Resistance	Passed-ISO 1408
Voltage Rating	600 V