STDW - Thickwall Heatshrink

THICKWALL GLUE LINED

CABAC's STDW Heatshrink, has a much thicker wall than SMDW, and is used in cable joints, repairs and terminations in critical areas. The basic logic in cable repairs and jointing is that one should replace the original thickness of insulation. The "recovered" thickness in the table below is the free shrink maximum thickness, which gives a guide to the wall thickness after shrink.

Features

- High shrink ratio of 4:1, allows you to use one piece of shrink to cover a huge range
- Wall thickness is more than SMDW giving much better insulating and protection properties
- Rigidity is much greater than SMDW tubing, with a higher overall abrasion and impact strength
- The adhesive is polyamide, which is hand applied, and sticks very well to most surfaces. There is also more adhesive in this tube than in SMDW so the overall sealing capabilities are much better.

For waterproof applications the preparation of the cable jacket is critical to ensure good adhesion of glue. Ensure the jacket is free of grease and roughened with emery paper.

Tubing should be shrunk with a large heat gun or a soft yellow gas flame. Shrinkage should be done from the centre out, moving the heat source continually to ensure no localised overheating. The polyamide glue should extrude from both ends once the shrinkage is complete.

Note: A common cause of joint failures is not heating the heatshrink all around the joint. If you are in a trench for example, and heat only the top half of the joint, the heatshrink only shrinks on the top, and the meltable glue sealant does not melt and seal on the **rear of the joint**. It is essential to heat ALL AROUND the joint in particular the rear, by using a heat deflector

Catalogue No.	Pre Shrink Diameter (mm)	After Shrink Diameter (mm)	Recovered Wall Thickness (mm)	Std Length (m)
STDW17/3PA	15	4	2.4	1.2
STDW27/6PA	22	6	2.7	1.2
STDW43/10PA	45	12	4.1	1.2
STDW54/14PA	55	16	4.1	1.2
STDW72/22PA	75	22	4.1	1.2
STDW95-30PA	95	30	4.3	1.2
STDW130-36PA	130	36	4.3	1.2

Technical Data

Conformant Standards	IEC: VDE ASTM
Material	Cross-linked Polyolefin
Continuous Operating Temp	-55° to 110°C IEC216
Shrinkage Temp	130°C IEC216
Tensile Strength	> 12 N/mm^2 ASTMD638
Elongation	> 400% ASTMD638
Longitudinal Shrinkage	< 10% ASTMD2671
Dielectric Strength	> 15 KV/mm ASTMD149
Volume Resistivity	> 1 x 10^{12} ohm cm ASTMD257
Flammability	Not self extinguishing ASTMD867
Thermal Shock	No damage ASTMD2671-746