

SCW Waxed Cotton Sash Cord Data Sheet

The Waxed Cotton sash cord features a polyester core for enhanced strength. This traditional cord, made from natural materials, has been historically used in sash windows. While cotton supports a lower sash weight compared to synthetic materials like polyester and nylon, it offers superior knot retention, especially in hot conditions. This cord is ideal for smaller and lighter windows. It is available in 100m coils and comes in three sizes: 6mm and 8mm in diameter. Additionally, 15m knots are available in the 6mm diameter. The 6mm cord supports a maximum sash weight of 30Kg and the 8mm cord supports 50Kg.

- Lower cost compared to synthetic cords like nylon and polyester.
- 8-plait cotton outer with a polyester core, featuring a high wax content on the outer layer.
- Very good resistance to UV light.
- Supplied in three diameters: 6mm, 7mm, and 8mm.
- Breaking load: Ø6mm = 80Kg; Ø7mm = 100Kg; Ø8mm = 145Kg.
- All white cord, no colored braids.
- Polyester core adds strength, while the wax outer layer enhances durability.
- Demonstrates good tensile strength for its application.
- Wax provides good abrasion resistance and ensures smooth window operation.
- Maximum sash weight: 6mm = 30Kg (66lb), 7mm = 40Kg (88lb), 8mm = 50Kg (110lb).
- Cord is supplied pre-stretched.
- Waxy outer layer helps protect the cord and makes it easier to clean and maintain.

Property	Result
Relative Density	1.54 – 1.56 g/cm ³
Melting Point	Decomposes after prolonged exposure to temperatures of 150°C or over
Breaking tenacity	3.0 – 5.0 g/denier
Elongation at break	10 - 12%
Thermal Conductivity	0.029 w/(m-k)

Installation Instructions:

Measure the cord to the correct length using your preferred method, e.g., Figure of Eight.

Unscrew the pocket at the bottom of the side jamb. Cut the sash cord to the required length and feed it down through the pulley until it can be pulled out of the bottom of the jamb.

Thread the cord through the center of the lead weight and tie a knot at the end to secure it.

Feed the cord and lead weight into the side jamb and reattach the pocket.

Fix the sash cord to the routed groove (using a cord cleat) approximately midway down the sash.

Repeat this process for the opposite side of the sash, ensuring the sash is horizontal.

Check that the sash slides freely and adjust as required.

Maintenance and Installation:

This product is not subject to routine replacement programs. It is recommended that customers check all sash cords regularly to ensure that the product works properly in its application. Replace any damaged components.

DO NOT use any chemical cleaners, as they can contain harmful substances that may attack the brass and tarnish the surface. Use warm soapy water instead.

Quality Approval:

This product operates under a Quality Management System that meets the requirements of ISO 9001:2008 and is independently verified by BSI Quality Assurance under certificate No. FM10371.