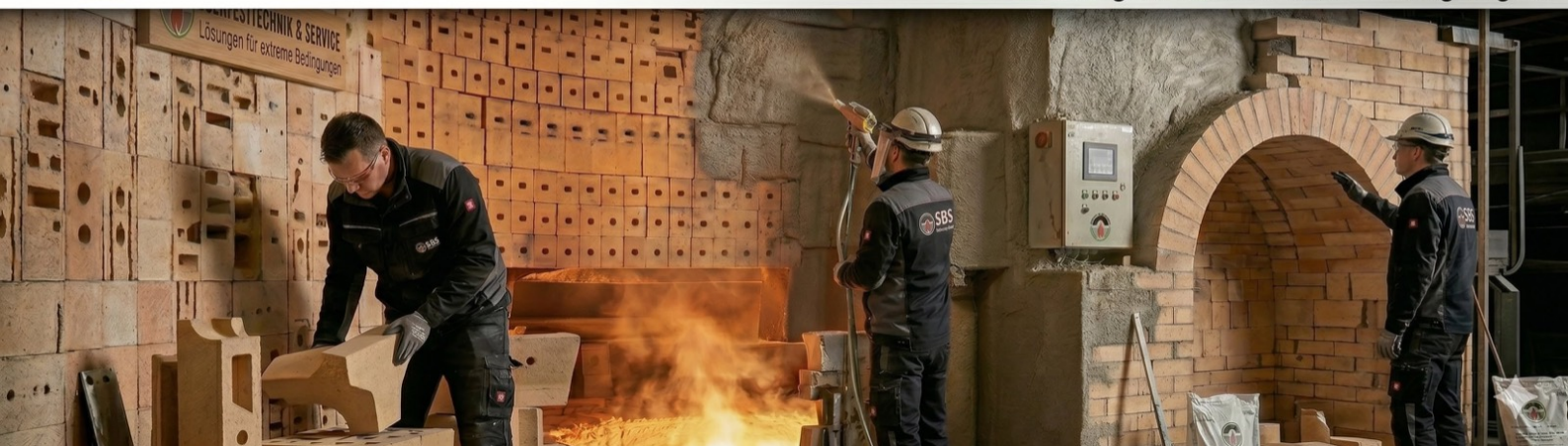




MATERIAL DATA SHEET · Issue 08/2026

SOLUT Rope

Product description

Ceramic fibre rope made from high-grade ceramic fibre, available as square braided, round braided and twisted rope. The rope is reinforced with glass fibre filament or alloyed steel wire. Ceramic fibre textiles contain a small amount of binder which burns out at low temperatures without impairing the insulating effect.

Product designation	glass fibre reinforced	steel wire reinforced
Service temperature	≤ 650 °C	≤ 1100 °C
Electrical insulation	yes	no
Strength	standard	increased
Versions	square braided · round braided · twisted	square braided · round braided · twisted
Colour	white / natural	white / natural

Delivery forms — round rope

	Diameter (inch · mm)	Net weight per reel (kg)	Length per reel, approx. (m)
	1/4 · 6,4	5	181,5
	5/16 · 8	5	120
	3/8 · 9,6	5	77,5
	1/2 · 12,7	10	89,5
	5/8 · 16	10	70
	3/4 · 19,2	10	44
	7/8 · 22,4	10	33,5
	1 · 25,4	10	28
	1-1/8 · 28,6	10	22,5
	1-1/4 · 32	10	18
	1-1/2 · 38,1	10	12
	1-3/4 · 44,5	10	9,5
	2 · 50,8	10	6,5

Square braided and twisted versions as well as special dimensions on request.

Characteristics

- Low thermal conductivity and low heat storage
- High temperature stability
- Flexible and conformable
- Electrically insulating (glass fibre reinforced version)
- Easy to cut and install

Fields of application

- Static high-temperature sealing — door joints and flange seals
- Insulation for furnace doors, valves and flange seals
- Fire protection — refractory curtain against welding sparks
- Expansion joints
- Insulation of pipes and round ducts
- Manufacture of protective gloves and aprons

Processing

The rope can be cut to length with standard tools. With steel-wire-reinforced versions, take care with the cut edges. Twisted rope is soft; square and round braids are denser and stronger.

For precautions and health hazards when processing SOLUT Rope, please refer to our safety data sheet.

All technical data given are approximate values. They are based on the evaluation of tests on specific samples and have been presented and described to the best of our knowledge. Due to the manufacturing process, deviations in product properties cannot be excluded. They are therefore not to be construed as a warranty for which SBS Refractory Service GmbH assumes legal liability. We reserve the right to make technical changes in the light of new findings; errors and misprints excepted.

Questions about selection, installation or availability?

Reply within 24 hours on working days.

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Product page: www.sbs-rs.de/en/materialien/keramikfaser