



WHEN THE **HEAT** IS ON, KEEP YOUR COOL WITH **AVS!**

TDS-15
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AVSIL® SILICA TWISTED AND BRAIDED ROPE

Product Description

AVSIL® Silica Twisted (TR) and Braided (BR) Ropes are silica ropes used primarily as packing for high temperature sealing applications. The high density of **AVSIL® Braided (BR) Ropes** improves overall performance in all thermal applications. **AVSIL® Silica Ropes** withstand extreme temperatures up to 1800°F (982°C) and are used as tadpole tape cores, furnace door gaskets, high temperature caulking, and coke oven door seals. Silica ropes are used extensively by the Power Generation, Furnace, Oven, Refinery, Construction, Shipbuilding, Welding and Metal Processing Industries.

Features

- Resists penetration of weld “slag”
- Fireproof
- Compressible
- Excellent insulating properties

Benefits

- Protects equipment in welding applications
- Reduces risk of “hot work” fires
- Great gasket seal in high temperature applications
- Lower utility costs

Technical Sizing Data

BR Braided Rope

BR-H-1/4”
BR-H-3/8”
BR-H-1/2”
BR-H-5/8”
BR-H-3/4”
BR-H-1”
BR-1 3/8”

TR Twisted Rope

TR-H-1/4”
TR-H-3/8”
TR-H-1/2”
TR-H-5/8”
TR-H-3/4”
TR-H-1”

NOTES

1. All AVSIL® Silica Twisted (TR) and Braided (BR) Ropes have a minimum silicon dioxide content of 96%.
2. Standard Roll length is 100ft. for all braided and twisted ropes under 1” diameter. Nominal roll length is 75 ft. for 1” Braided and Twisted Ropes. 1 3/8” Braided Rope is uncoated and supplied in nominal roll length is 45 ft. Rolls may consist of three pieces. Minimum piece length is 10 feet. Other roll lengths are available upon request.
3. A light hydrocarbon coating is applied to all ropes except BR-1 3/8”.
4. AVSIL® Silica Twisted (TR) and Braided (BR) Ropes are made of amorphous silica and contain no asbestos or ceramic fibers.
5. The melt point of all AVSIL® Twisted (TR) and Braided (BR) Ropes is 3000°F (1648°C).

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the **AVSIL® Silica Twisted (TR) and Braided (BR) Ropes**. **AVSIL® Silica Twisted (TR) and Braided (BR) Ropes** will have varying degrees of effectiveness for each potential application depending on the maximum temperature attained, the length of use, and the amount of temperature fluctuation. If the customer has any questions regarding the use of **AVSIL® Silica Twisted (TR) and Braided (BR) Ropes** in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of the **AVSIL® Silica Twisted (TR) and Braided (BR) Ropes** for testing. This product is not warranted against injuries or damages of any kind caused by uses for which this product was not designed, intended, or tested by AVS Industries.