

Technical Overview

Fiberglass Braided Sleeve

Fiberglass Braided Sleeve is a flexible hose and cable protection solution designed to provide mechanical abrasion resistance and basic thermal buffering in industrial and automotive environments. It is commonly used to reduce wear, surface damage, and moderate radiant heat exposure on hose and cable assemblies.

Product type	Fiberglass braided hose and cable protector
Primary function	Abrasion protection and basic thermal buffering
Material	Texturized E-glass fiberglass yarn
Wall thickness	Approx. 1/16"
Construction	Expandable braided structure
Supply form	Continuous length (typically 50 meters)

Engineering purpose

The Fiberglass Braided Sleeve is intended to provide physical protection and basic thermal buffering. It is designed to protect hoses and cables from abrasion, vibration, and contact damage, while helping reduce heat-related wear caused by moderate radiant heat exposure. This product is not designed for fire containment or high-intensity thermal insulation.

Material & construction

The sleeve is braided from continuous fiberglass yarns. The braided construction allows controlled expansion and contraction, enabling easy installation over straight runs, bends, and assemblies with varying diameters. Fiberglass is non-combustible and maintains structural integrity under elevated temperatures.

Thermal & mechanical performance

The fiberglass braid provides excellent abrasion resistance and basic resistance to radiant heat. The open braided structure allows airflow around the protected hose or cable, helping reduce localized heat buildup. For applications involving higher temperatures, direct flame exposure, or fluid fire risk, firesleeve or coated protection systems should be considered.

Typical applications

- Hydraulic and pneumatic hose protection
- Fuel, oil, and fluid line protection
- Cable and wiring bundle protection
- Industrial machinery and equipment
- Automotive and off-road vehicle systems

Installation guidelines

- Select sleeve diameter based on hose or cable outer diameter
- Cut sleeve to length using appropriate cutting tools
- Expand the sleeve and slide it over the hose or assembly
- Secure ends using clamps, tape, or suitable termination methods

Limitations

This product provides abrasion resistance and basic thermal protection only. It is not intended for direct flame exposure, fluid fire containment, or high-temperature insulation.

RFQ information

To provide accurate pricing and lead time, please include the following information with your inquiry:

- Inner diameter required
- Length per piece or total length
- Quantity required
- Application environment (optional)

Reference product page

https://www.pkfiresleeve.com/hose-protector-fiberglass-braided-sleeve_p195.html

Engineering note: Performance depends on installation method, operating environment, and surrounding thermal conditions.