

HFG – THERMAL PROTECTIVE FIBERGLASS SLEEVING

It designed to protect wires, cables, and hoses under continuous exposure to extremely high temperatures. The fiberglass construction with a resin-based coating ensures a long service life and maintains structural integrity under vibration and mechanical loads.

The sleeving provides reliable thermal protection without burning, melting, or losing mechanical strength. It is easy to install and suitable for complex industrial and automotive applications.



TECHNICAL SPECIFICATIONS:



- ✓ **Material:** fiberglass impregnated with acrylic resin
- ✓ **Operating temperature (continuous):** up to +650°C
- ✓ **Emergency temperature (short-term):** up to +1120°C
- ✓ **Flammability:** self-extinguishing material (meets UL 224, VW-1)
- ✓ **Installation:** easily cut with standard scissors with minimal dust generation, easy to install
- ✓ **Applications:** metallurgy, engine compartments and automotive exhaust systems, gas piston units, chemical and oil and gas industries
- ✓ **Color:** black

MAIN ADVANTAGES:

Fire resistance and thermal protection

Operates under continuous heating without losing strength and withstands critical emergency peaks. It is a passive fire retardant (self-extinguishing), does not act as a "wick," and does not transmit flames further along the line.

Chemical and moisture resistance

The moisture absorption rate is only 0.01%. The material is completely inert to oils, fuels, antifreezes, solvents, and hydraulic fluids.

Mechanical resistance (acts as a shock absorber)

The acrylic coating protects the fiberglass from abrasion, vibrations, and impacts. It allows scale and molten metal splashes to roll off the surface without burning through the structure.

Durability in extreme conditions

The material does not crumble or stiffen, retaining its flexibility and protective properties even after 5 years of continuous operation in industrial environments.



Diameter	Part number	Max diameter	Wall thickness	Weight per 100 m
2 mm	HFG-002	3.5 mm	0.65±0.1 mm	0.90 kg
3 mm	HFG-003	5 mm	0.65±0.1 mm	1.40 kg
4 mm	HFG-004	6.5 mm	0.78±0.1 mm	1.85 kg
6 mm	HFG-006	9 mm	0.78±0.1 mm	2.75 kg
8 mm	HFG-008	12.5 mm	0.78±0.1 mm	3.95 kg
10 mm	HFG-010	16 mm	1.0±0.1 mm	5.25 kg
12 mm	HFG-012	18 mm	1.16±0.1 mm	6.65 kg
14 mm	HFG-014	20.5 mm	1.16±0.1 mm	7.45 kg
16 mm	HFG-016	22.2 mm	1.16±0.1 mm	7.89 kg
18 mm	HFG-018	25.5 mm	1.16±0.1 mm	8.95 kg
20 mm	HFG-020	29.5 mm	1.16±0.1 mm	10.45 kg

