

Radiant Heat Reflective Sleeve for Cable, Hose, Wire and Line Protection: Aluminum Foil Coated Fiberglass 1000°F / 537°C: FlameShield™: High Temperature & Radiant Heat Reflective Sleeve for Low Flex Static Applications



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- The base fabric is rated for continuous operation at 1200°F / 648°C. The aluminum foil melts at 1220°F / 660°C. The aluminum is bonded to the fiberglass under pressure and with an adhesive that will smoke off at 425°F / 218°C - long term high temperature exposure may result in the aluminum foil being separated from the underlying fabric material.
- This sleeve provides optimum protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Heat reflecting layer is pure aluminum foil.
- This sleeve is designed for low flex or low movement and static applications. High flexing cycles will result in the foil cracking.
- Excellent automotive under-hood protection for wiring and hoses.

This heat reflecting sleeve is constructed from a high-temperature base fabric which is then coated with highly-reflective polished aluminum foil. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The sleeve is fabricated from a roll of heat reflecting fabric, and is sewn with a double lock-stitch seam utilizing high-temperature fiberglass thread. The resulting sleeve has a teardrop or tadpole profile when viewed on-end; the width of the sewn tail is typically 5/8" or 16mm. A sleeve with Velcro closure is available, making the sleeve installable on cables and hoses without having to disconnect them. Added thermal protection can be achieved by layering with other sleeve materials underneath the reflective layer.

FlameShield™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Sewn Sleeve – Low Flex & Static Applications	
Part Number	Inside Diameter inch / mm / dash#
S-FG-ALF-SWN-0.500-M013-08-X	0.50 / 13 / -08
S-FG-ALF-SWN-0.750-M019-12-X	0.75 / 19 / -12
S-FG-ALF-SWN-1.000-M025-16-X	1.00 / 25 / -16
S-FG-ALF-SWN-1.250-M032-20-X	1.25 / 32 / -20
S-FG-ALF-SWN-1.500-M038-24-X	1.50 / 38 / -24
S-FG-ALF-SWN-1.750-M044-28-X	1.75 / 44 / -28
S-FG-ALF-SWN-2.000-M051-32-X	2.00 / 51 / -32
S-FG-ALF-SWN-2.500-M064-40-X	2.50 / 64 / -40
S-FG-ALF-SWN-3.000-M076-48-X	3.00 / 76 / -48
S-FG-ALF-SWN-3.500-M089-56-X	3.50 / 89 / -56
S-FG-ALF-SWN-4.000-M102-64-X	4.00 / 102 / -64
Other sizes available – please enquire	

For the X value: specify "21" for construction from 21 oz/yd² fabric; specify "35" for construction from 35 oz/yd² fabric

Note: The aluminum adhesion on the 35oz fabric is not as high as on the 21oz fabric, and some cracking of the aluminum foil will occur due to repeated folding or flexing of the material.

This Product is Available By-The-Foot; some minimums may apply