

Radiant Heat Reflective Sleeve for Cable, Hose, Wire and Line Protection: Aluminum Foil Coated Fiberglass 1200°F / 648°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#	Price per Foot 21oz/yd ² / 35oz/yd ² base fabric
S-FG-ALF-SWN-0.500-M013-08-X	0.50 / 13 / -08	\$ 5.48 / \$ 6.58
S-FG-ALF-SWN-0.750-M019-12-X	0.75 / 19 / -12	\$ 7.17 / \$ 8.60
S-FG-ALF-SWN-1.000-M025-16-X	1.00 / 25 / -16	\$ 8.87 / \$10.64
S-FG-ALF-SWN-1.250-M032-20-X	1.25 / 32 / -20	\$ 10.48 / \$ 12.57
S-FG-ALF-SWN-1.500-M038-24-X	1.50 / 38 / -24	\$ 12.17 / \$ 14.60
S-FG-ALF-SWN-1.750-M044-28-X	1.75 / 44 / -28	\$ 13.87 / \$ 16.64
S-FG-ALF-SWN-2.000-M051-32-X	2.00 / 51 / -32	\$ 15.53 / \$ 18.63
S-FG-ALF-SWN-2.500-M064-40-X	2.50 / 64 / -40	\$ 18.97 / \$ 22.76
S-FG-ALF-SWN-3.000-M076-48-X	3.00 / 76 / -48	\$ 22.29 / \$ 26.75
S-FG-ALF-SWN-3.500-M089-56-X	3.50 / 89 / -56	\$ 25.68 / \$ 30.82
S-FG-ALF-SWN-4.000-M102-64-X	4.00 / 102 / -64	\$ 28.97 / \$ 34.76
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 perforation separation of the aluminum will occur due to folding or flexing of the material.

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

Aluminized PET Film Coated Fiberglass Radiant Heat Reflective Sewn Sleeve 1200°F / 648°C DeltaGlass™ Base Material - 454°F / 240°C Film Coating High Temperature & Radiant Heat Reflective Sleeve for High Flex Applications



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1200°F / 648°C.
- 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 dual side aluminized film.
- This sleeve is designed for high flex or high movement applications.
- Highly popular for engine under-hood wiring & hose/tube protection

Constructed from a high-temperature base fabric which is then coated with dual side aluminized PET film. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The aluminum film coating melts at 375°F.

The sleeve is fabricated from a roll fabric, and is sewn with a double lock-stitch seam utilizing high-temperature 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. The Velcro sleeve results in a circular sleeve profile when closed. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

FlameShield™ Aluminized PET Film Coated Fiberglass Radiant Heat Reflective Sewn Sleeve – High Flex Applications		
Part Number	Inside Diameter inch / mm / dash#	Price per Foot 20oz/yd² base fabric
S-FG-ALM-SWN-M013-08	0.50 / 13 / -08	\$ 6.58
S-FG-ALM-SWN-M019-12	0.75 / 19 / -12	\$ 8.60
S-FG-ALM-SWN-M025-16	1.00 / 25 / -16	\$10.64
S-FG-ALM-SWN-M032-20	1.25 / 32 / -20	\$ 12.57
S-FG-ALM-SWN-M038-24	1.50 / 38 / -24	\$ 14.60
S-FG-ALM-SWN-M044-28	1.75 / 44 / -28	\$ 16.64
S-FG-ALM-SWN-M051-32	2.00 / 51 / -32	\$ 18.63
S-FG-ALM-SWN-M064-40	2.50 / 64 / -40	\$ 22.76
S-FG-ALM-SWN-M076-48	3.00 / 76 / -48	\$ 26.75
S-FG-ALM-SWN-M089-56	3.50 / 89 / -56	\$ 30.82
S-FG-ALM-SWN-M102-64	4.00 / 102 / -64	\$ 34.76

Other sizes available – please enquire

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