

Aluminized Heat Reflecting Fiberglass Sleeve - PET Film Coated

1200°F / 648°C DeltaGlass™ Base Material - 454°F / 240°C Film Coating



- 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 is the perfect 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 and piping is a concern.
- Wall thickness .025" / .635mm.
- Sleeve is supplied collapsed flat on a spool.

This high temperature and radiant heat reflective sleeve is constructed from a high-temperature fine braid fiberglass sleeve, which is then coated with highly-reflective polished aluminum. 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.

Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

FlameShield™ Aluminized PET Film Coated Fiberglass Radiant Heat Reflective Sleeve .025" / .635mm Wall Thickness		
Part Number	Inside Diameter inch / mm / dash#	Spool Length, feet Bulk / Small
S-FG-ALM-0.250-M006-04-X	0.25 / 6 / -04	350 / 100
S-FG-ALM-0.375-M010-06-X	0.37 / 9 / -06	300 / 100
S-FG-ALM-0.500-M013-08-X	0.50 / 13 / -08	250 / 100
S-FG-ALM-0.625-M016-10-X	0.62 / 16 / -10	250 / 100
S-FG-ALM-0.750-M019-12-X	0.75 / 19 / -12	250 / 100
S-FG-ALM-0.875-M022-14-X	0.87 / 22 / -14	250 / 100
S-FG-ALM-1.000-M025-16-X	1.00 / 25 / -16	250 / 100
S-FG-ALM-1.250-M032-20-X	1.25 / 32 / -20	250 / 100
S-FG-ALM-1.500-M038-24-X	1.50 / 38 / -24	250 / 100
S-FG-ALM-1.750-M044-28-X	1.75 / 44 / -28	100 / 50
S-FG-ALM-2.000-M051-32-X	2.00 / 51 / -32	100 / 50
S-FG-ALM-2.500-M064-40-X	2.50 / 64 / -40	100 / 50
S-FG-ALM-3.000-M076-48-X	3.00 / 76 / -48	100 / 50

For the "X" value:
use "B" for Bulk Spool size, use "S" for Small Spool size, use "F" for by-the-foot lengths
This Product is available in bulk spools, shop spools and By-The-Foot

Heat Reflecting Aluminized Film Coated Fiberglass Sleeve

454°F / 240°C Convoluted High Bulk – with Aluminum Foil Coating

DeltaGlass™ / PET filament Blended Base Material



- Protection from radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base yarn is a blend of e-fiberglass and PET filaments, rated for continuous operation at 454°F / 240°C. The PET interweave keeps the sleeve in its round form for easy wire/cable/hose insertion.
- This sleeve provides 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.
- Wall thickness .045" / 1.14mm. Sleeve is supplied in a 4 foot length.

This high temperature and radiant heat reflective sleeve is constructed from a high-temperature fine braid fiberglass and PET filament interwoven base sleeve, which is then coated with highly-reflective polished aluminum foil. The base fabric is designed for long term continuous operation at 454°F / 240°C.

Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

FlameShield™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Convoluted Sleeve .045" / 1.14mm Wall Thickness	
Part Number	Inside Diameter inch / mm / dash#
S-FG-AL-CONVOL-0.375-M010-06	0.37 / 10 / -06
S-FG-AL-CONVOL-0.500-M013-08	0.50 / 13 / -08
S-FG-AL-CONVOL-0.620-M016-10	0.62 / 16 / -10
S-FG-AL-CONVOL-0.750-M019-12	0.75 / 19 / -12
S-FG-AL-CONVOL-0.875-M022-14	0.87 / 22 / -14
S-FG-AL-CONVOL-1.000-M025-16	1.00 / 25 / -16
S-FG-AL-CONVOL-1.250-M032-20	1.25 / 32 / -20

This Product is only available in 4 foot length sections

Aluminized Film Coated Fiberglass Heat Reflective Split Sleeve with Adhesive Closure

454°F / 240°C DeltaGlass™ / PET Base Material blend - Aluminum Foil Coating



- Split Sleeve for easy installation on existing wires, cables or hoses.
- Supplied in 4 foot / 1.2 metre lengths.
- Fiberglass base sleeve with PET filament interleave. Aluminum foil coating, with an aluminum foil adhesive closure strip.
- Adhesive strip closure keeps out contaminants and liquids.
- Cuts cleanly.
- Protects wiring or hoses from radiant and convective heat.
- Excellent automotive under-hood protection of wiring and hoses from engine heat.
- .042" / 1.06mm wall thickness.
- The sleeve keeps its round shape due to the PET filament interweave. Resists crushing.

DeltaGlass™ Heat Reflective Split Sleeve Aluminized Film Coated Fiberglass with Adhesive Closure

Part Number	ID Size inch / mm	Weight/Section oz / grams
S-FG-AL-SPLIT-ACL-0.250-M006-04	1/4"	6
S-FG-AL-SPLIT-ACL-0.375-M010-06	3/8"	10
S-FG-AL-SPLIT-ACL-0.500-M013-08	1/2"	13
S-FG-AL-SPLIT-ACL-0.625-M016-10	5/8"	16
S-FG-AL-SPLIT-ACL-0.750-M019-12	3/4"	19
S-FG-AL-SPLIT-ACL-1.000-M025-16	1"	25
S-FG-AL-SPLIT-ACL-1.250-M032-20	1 1/4"	32
S-FG-AL-SPLIT-ACL-1.500-M038-24	1 1/2"	38
S-FG-AL-SPLIT-ACL-2.000-M051-32	2"	51

This sleeve is non-expandable – please measure your application carefully.

Aluminized Heat Reflecting Fiberglass Sleeve forming Tape/Wrap; with adhesive strip - PET Film Coated 1200°F / 648°C DeltaGlass™ Base Material - 454°F / 240°C Film Coating



- 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. The adhesive withstands 425°F / 218°C.
- This tape wrap has a high temperature adhesive strip along its length, allowing the tape to be wrapped and formed into a sleeve around wires, cables or hoses, or wrapped spirally down the length.
- Provides 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.
- Thickness .025".

This high temperature and radiant heat reflective tape wrap is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective polished aluminum. The base fabric is designed for long term continuous operation at 1200°F / 648°C.

Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

FlameShield™ Aluminized PET Film Coated Fiberglass Radiant Heat Reflective Tape Wrap for Sleeve Formation			
Part Number	Resulting Sleeve Maximum Inside Diameter inch / mm / dash#	Tape Width	Spool Length, feet Bulk / Small
S-FG-AL-TACL-0.500-M013-08-X	0.50 / 13 / -08	1.5"	250 / 100
S-FG-AL-TACL-0.750-M019-12-X	0.75 / 19 / -12	2.25"	250 / 100
S-FG-AL-TACL-1.000-M025-16-X	1.00 / 25 / -16	3.75"	200 / 100
S-FG-AL-TACL-1.250-M032-20-X	1.25 / 32 / -20	4.5"	200 / 100
S-FG-AL-TACL-1.500-M038-24-X	1.50 / 38 / -24	5.25"	200 / 100
S-FG-AL-TACL-1.750-M044-28-X	1.75 / 44 / -28	6"	100 / 50
S-FG-AL-TACL-2.000-M051-32-X	2.00 / 51 / -32	6.5"	100 / 50
S-FG-AL-TACL-2.250-M057-36-X	2.25 / 57 / -36	7.5"	100 / 50

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

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

Aluminized PET Film Coated Fiberglass Radiant Heat Reflective Sewn Sleeve

1000°F / 537°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.
- While the base fabric is rated for continuous operation at 1200°F / 648°C, the PET film coating is rated for continuous 392°F/200°C with no degradation. The aluminized PET coated film melts at 489°F / 254°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

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#
S-FG-ALM-SWN-0.500-M013-08	0.50 / 13 / -08
S-FG-ALM-SWN-0.750-M019-12	0.75 / 19 / -12
S-FG-ALM-SWN-1.000-M025-16	1.00 / 25 / -16
S-FG-ALM-SWN-1.250-M032-20	1.25 / 32 / -20
S-FG-ALM-SWN-1.500-M038-24	1.50 / 38 / -24
S-FG-ALM-SWN-1.750-M044-28	1.75 / 44 / -28
S-FG-ALM-SWN-2.000-M051-32	2.00 / 51 / -32
S-FG-ALM-SWN-2.500-M064-40	2.50 / 64 / -40
S-FG-ALM-SWN-3.000-M076-48	3.00 / 76 / -48
S-FG-ALM-SWN-3.500-M089-56	3.50 / 89 / -56
S-FG-ALM-SWN-4.000-M102-64	4.00 / 102 / -64
Other sizes available – please enquire	

This Product is Available By-The-Foot

Aluminum Foil Coated Fiberglass Heat Reflective Sleeve

with VELCRO® Brand Hook & Loop Closure

350°F / 176°C: Aluminum Foil Coated Fiberglass High Temperature & Radiant Heat Reflective, For Low Flex and Static Applications



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric is rated for continuous operation at 1200°F / 648°C.
- This sleeve is the perfect 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.
- VELCRO® Brand hook & loop closure allows the sleeve to be installed and removed from wire, cable, hose and pipe without disconnection.
- Designed for low flex and static applications.

Constructed from a high-temperature base fiberglass fabric which is then laminated with highly heat reflective polished aluminum foil. The temperature limited component of this fabrication is the hook/loop closure at 350°F / 176°C; this sleeve will withstand short duration exposure up to 1200°F / 650°C. 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. A higher temperature rated nomex hook and loop is also available.

The sleeve is fabricated from a roll fabric, and is then sewn with VELCRO® Brand hook and loop, allowing this sleeve to be installed and removed without disconnection of wiring, cables, hose and pipe. Sewing is performed with high temperature thread. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers.

Aluminum Foil Coated Fiberglass Radiant Heat Protection Sleeve with VELCRO® Brand Hook & Loop	
Part Number	Inside Diameter inch / mm / dash#
S-FG-ALF-VCL-0.750-M019-12-X	0.75 / 19 / -12
S-FG-ALF-VCL-1.000-M025-16-X	1.00 / 25 / -16
S-FG-ALF-VCL-1.250-M032-20-X	1.25 / 32 / -20
S-FG-ALF-VCL-1.500-M038-24-X	1.50 / 38 / -24
S-FG-ALF-VCL-1.750-M044-28-X	1.75 / 44 / -28
S-FG-ALF-VCL-2.000-M051-32-X	2.00 / 51 / -32
S-FG-ALF-VCL-2.500-M064-40-X	2.50 / 64 / -40
S-FG-ALF-VCL-3.000-M076-48-X	3.00 / 76 / -48
S-FG-ALF-VCL-3.500-M089-56-X	3.50 / 89 / -56
S-FG-ALF-VCL-4.000-M102-64-X	4.00 / 102 / -64
Other sizes available – please enquire. Nomex hook/loop also available.	

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

This Product is Available By-The-Foot

**Heat Reflective Aluminized PET Coated Fiberglass Sleeve
with VELCRO® Brand Hook & Loop Closure
350°F / 176°C Maximum exposure
High Temperature & Radiant Heat Reflective For High Flex and
High Movement Applications**



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric is rated for continuous operation at 1000°F / 537°C.
- This sleeve is the perfect 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.
- Velcro closure allows the sleeve to be installed and removed from wire, cable, hose and pipe without disconnection.
- Designed for high flex and movement applications.

Constructed from a high-temperature base fiberglass fabric which is then laminated with dual side aluminized PET film. The temperature limited component of this fabrication is the hook/loop closure at 350°F / 176°C; the aluminized PET film coating will survive exposure to 454°F / 240°C, this sleeve will withstand short duration exposure up to 1000°F / 537°C.

The sleeve is fabricated from a roll fabric, and is then sewn with hook & loop tape, allowing this sleeve to be installed and removed without disconnection of wiring, cables, hose and pipe. Sewing is performed with high temperature thread. The hook and loop sleeve results in a circular sleeve profile when closed. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers.

Aluminum Film Coated Fiberglass Radiant Heat Protection Sleeve with VELCRO® Brand Hook & Loop	
Part Number	Inside Diameter inch / mm / dash#
S-FG-ALM-VCL-0.750-M019-12	0.75 / 19 / -12
S-FG-ALM-VCL-1.000-M025-16	1.00 / 25 / -16
S-FG-ALM-VCL-1.250-M032-20	1.25 / 32 / -20
S-FG-ALM-VCL-1.500-M038-24	1.50 / 38 / -24
S-FG-ALM-VCL-1.750-M044-28	1.75 / 44 / -28
S-FG-ALM-VCL-2.000-M051-32	2.00 / 51 / -32
S-FG-ALM-VCL-2.500-M064-40	2.50 / 64 / -40
S-FG-ALM-VCL-3.000-M076-48	3.00 / 76 / -48
S-FG-ALM-VCL-3.500-M089-56	3.50 / 89 / -56
S-FG-ALM-VCL-4.000-M102-64	4.00 / 102 / -64
Other sizes available – please enquire	

This Product is Available By-The-Foot

Heat Reflective Aluminized PET Coated Fiberglass Sleeve with Zipper Closure

454°F / 240°C Maximum exposure

High Temperature & Radiant Heat Reflective For High Flex and Movement Applications



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric is 20oz/yd² and is rated for continuous operation at 1000°F / 537°C.
- This sleeve is the perfect 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.
- Zipper closure allows the sleeve to be installed and removed from wire, cable, hose and pipe without disconnection.
- Designed for high flex and movement applications.
- Zippers maximum length is 150 feet. Shorter lengths for lower volume orders.

Constructed from a high-temperature base fiberglass fabric which is then laminated with dual side aluminized PET film. Designed for long term continuous operation at 454°F / 240°C, this sleeve will withstand short duration exposure up to 1200°F / 648°C. The aluminum film coating melts at 460°F.

Sleeve may be installed and removed without disconnection of wiring, cables, hose and pipe. Sewing is performed with high temperature thread. The zipper tape is nomex and the zipper teeth and guides are brass. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

Aluminum Film Coated Fiberglass Radiant Heat Protection Sleeve with Zipper Closure	
Part Number	Inside Diameter inch / mm / dash#
S-FG-ALM-ZC-0.750-M019-12	0.75 / 19 / -12
S-FG-ALM-ZC-1.000-M025-16	1.00 / 25 / -16
S-FG-ALM-ZC-1.250-M032-20	1.25 / 32 / -20
S-FG-ALM-ZC-1.500-M038-24	1.50 / 38 / -24
S-FG-ALM-ZC-1.750-M044-28	1.75 / 44 / -28
S-FG-ALM-ZC-2.000-M051-32	2.00 / 51 / -32
S-FG-ALM-ZC-2.500-M064-40	2.50 / 64 / -40
S-FG-ALM-ZC-3.000-M076-48	3.00 / 76 / -48
S-FG-ALM-ZC-3.500-M089-56	3.50 / 89 / -56
S-FG-ALM-ZC-4.000-M102-64	4.00 / 102 / -64
Other sizes available – please enquire	

This Product is Available By-The-Foot

Heat Reflective Aluminum Foil Coated Fiberglass Sleeve with Snap Closure

454°F / 240°C Continuous Exposure

High Temperature & Radiant Heat Reflective



- Protection from radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric is a silicone wash coated fiberglass woven fabric (the wash coating reduces release of loose fibers) of 20oz/yd² weight and is rated for continuous operation at 1000°F / 537°C. Aluminum foil coating on one side.
- This sleeve is suitable protection for wiring, cables and hoses when radiant heat from infrared sources such as hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Snap closure allows the sleeve to be installed and removed from wire, cable, hose and pipe without disconnection.
- Maximum length is 150 feet.

Constructed from a high-temperature base fiberglass fabric which is then laminated with aluminum foil. Designed for long term continuous operation at 454°F / 240°C, this sleeve will withstand short duration exposure up to 1200°F / 648°C.

Sleeve may be installed and removed without disconnection of wiring, cables, hose and pipe. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

Aluminum Foil Coated Fiberglass Radiant Heat Protection Sleeve with Metal Snap Closure	
Part Number	Inside Diameter inch / mm / dash#
S-FG-ALF-SNAP-0.750-M019-12	0.75 / 19 / -12
S-FG-ALF-SNAP-1.000-M025-16	1.00 / 25 / -16
S-FG-ALF-SNAP-1.125-M028-18	1.125 / 28 / -18
S-FG-ALF-SNAP-1.500-M038-24	1.50 / 38 / -24
S-FG-ALF-SNAP-2.000-M051-32	2.00 / 51 / -32
S-FG-ALF-SNAP-2.750-M070-44	2.75 / 70 / -44
Other custom sizes available – please enquire	

This Product is Available By-The-Foot