

# Protective Sleeving

## Features:

- Available in a range of sizes 6mm to 125mm inside diameter
- Protection against molten metal splash
- Heat protection for hoses and cables
- Thermal insulation for hoses and piping
- Thermal protection against burns for employees
- Abrasive protection for hoses and cables
- Chemically resistant
- Flame resistant for a period of time
- Bundling of hoses, wires and cables
- Aerospace sleeve manufactured to AS1072
- Recommended by MDG-41 for mining
- Crimp rings in stainless steel



# Protective Sleeving

## Silicon Aerospace Sleeve and Silicon Tape

High-grade silicone rubber bonded to braided fibreglass sleeving.

*Convoluted Technologies Silicon Aerospace Sleeve is designed to protect hose, wire and cable from the hazards of high heat and occasional flame.*



*Silicon Aerospace Sleeve is made of braided fibreglass yarns in a flexible substrate that is then coated with high-grade silicone rubber. The braided fibreglass construction gives a compacted inner sleeving. Aerospace sleeve manufactured to AS1072.*

*Silicon Aerospace Sleeve protects continuously to 260°C and will withstand a molten splash at 1200°C. The silicone coating makes it resistant to hydraulic fluids, lubricating oils, and fuels. They insulate against energy loss in piping and hosing; protect employees from burns; and allow "bundling" of wires, hoses, and cables.*

*Silicon Aerospace Sleeve is available on request ranging from 6mm to 127mm inside diameter.*

## Silicon Tape

*Convoluted Technologies Silicon Tape is designed to seal the end of the Silicon Sleeve.*

*It has the same physical properties as the Silicon Aerospace Sleeving and is available in rolls of 25mm and 45 mm wide.*

## Silica Sleeve

*Convoluted Technologies Silica Sleeve is made out of 96% pure SiO<sub>2</sub> braided silica fibre. This product has the best temperature resistant properties out of all the textile sleeves; it is suitable for continuous exposure at 982°C and withstands short term exposure up to 1650°C.*

*A combination of this product and the braided stainless steel sleeve is used in applications where there is abrasion combined with high temperatures.*

*Silica Sleeve is available on request ranging from 6mm to 38mm inside diameter.*

# Protective Sleeving

## Fibreglass Sleeve

Braided fibreglass sleeve: economical hose and cable protection where exposure to molten splash, oils or moisture is not a factor.

*Convoluted Technologies fibreglass sleeving is constructed of high quality type E glass that will not burn and will withstand continuous exposure to temperatures of 540°C. This material resists most acids and alkalis, is unaffected by most bleaches and solvents and is highly flexible. It is ideal for temperature insulation and protection.*

*Fibreglass Sleeve is available in full coils or cut to length as required ranging from 6mm to 127mm inside diameter.*

## Braided Stainless Steel Sleeve

Economical hose and cable protection resistant to molten splash, oils, moisture, chemicals and corrosive environments.

*Convoluted Technologies stainless steel sleeving is constructed from braided stainless steel wire.*

*Stainless steel sleeving is ideal for armouring hydraulic, industrial hoses and electrical cables without losing any flexibility. It can provide electrical continuity between end connections in applications where static electricity is a problem.*

*Due to its stainless steel properties it has good resistance to temperatures and chemicals.*

*Braided stainless steel sleeve is available in full coils or cut to length as required ranging from 11mm to 287mm inside diameter.*

## Crimp Rings

For the attachment of the thermal and the stainless steel braided sleeving. We have stainless steel tube rings in diameters that slide over the outside of a hose and then can be crimped down.

*Also used as crimp ferrules in low pressure applications instead of hose clamps.*



# Technical

## Data

ID size of sleeve			Aerospace Silicone Sleeve	Silicone Tape	Fibreglass Sleeve	Silica Sleeve
Dash Size	in	mm	Part Number	Part Number	Part Number	Part Number
-4	1/4"	6	AESL-006		FGSL-006	SISL-006
-6	3/8"	10	AESL-010		FGSL-010	SISL-010
-8	1/2"	13	AESL-013		FGSL-013	SISL-013
-10	5/8"	16	AESL-016		FGSL-016	SISL-016
-12	3/4"	19	AESL-019		FGSL-019	SISL-019
-14	7/8"	22	AESL-022		FGSL-022	SISL-022
-16	1"	25	AESL-025	SITA-025	FGSL-025	SISL-025
-18	1 1/8"	29	AESL-029			
-20	1 1/4"	32	AESL-032		FGSL-032	SISL-032
-22	1 3/8"	35	AESL-035			
-24	1 1/2"	38	AESL-038		FGSL-038	SISL-038
-26	1 5/8"	41	AESL-041			
-28	1 3/4"	44	AESL-044	SITA-045	FGSL-044	
-32	2"	51	AESL-051		FGSL-051	
-36	2 1/4"	57	AESL-057			
-40	2 1/2"	64	AESL-064		FGSL-064	
-44	2 3/4"	70	AESL-070			
-48	3"	76	AESL-076		FGSL-076	
-52	3 1/4"	83	AESL-083			
-56	3 1/2"	89	AESL-089		FGSL-089	
-60	3 3/4"	95	AESL-095			
-64	4"	102	AESL-102		FGSL-102	
-72	4 1/2"	114	AESL-114			
-80	5"	127	AESL-127		FGSL-127	

Single Crimp Rings			Double Crimp Rings			Stainless Steel Braid	
Part number	ID	Width	Part number	ID	Width	Part number	ID
SWRNG-006	13	20	DWRNG-006	14	20	BRAID-006	11
SWRNG-008	14.5	20	DWRNG-008	16	20	BRAID-008	14
SWRNG-010	16.5	20	DWRNG-010	17.5	20	BRAID-010	18
SWRNG-012	20.5	20	DWRNG-012	21.5	20	BRAID-012	21
SWRNG-016	24.5	20	DWRNG-016	27	20	BRAID-016	25
SWRNG-020	29.5	25	DWRNG-020	30.5	25	BRAID-020	30
SWRNG-025	37	25	DWRNG-025	39	25	BRAID-025	37
SWRNG-032	44.5	30	DWRNG-032	46.50	30	BRAID-032	44
SWRNG-040	54.5	30	DWRNG-040	57	30	BRAID-040	54
SWRNG-050	68	35	DWRNG-050	71	35	BRAID-050	68
SWRNG-065	84.5	35	DWRNG-065	87	35	BRAID-065	86
SWRNG-080	98.5	40	DWRNG-080	101.50	40	BRAID-080	99
SWRNG-100	121	50	DWRNG-100	123.5	50	BRAID-100	121