

Protective Sleeving

Features

- 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



Silco Industrial or Aerospace Sleeve and Silco Tape

High-grade silicone rubber bonded to braided fibreglass sleeving.

Convuluted Technologies Silco Sleeve is designed to protect hose, wire and cable from the hazards of high heat and occasional flame.

Silco Industrial Sleeve is made of knitted fibre glass yarns in a flexible substrate that is then coated with high-grade silicone rubber.

Silco Aerospace Sleeve is made of braided fibre glass yarns in a flexible substrate that is then coated with high-grade silicone rubber. The braided fibreglass construction gives a more compacted inner sleeving.



Both products protect 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.

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

Silco Aerospace Sleeve is available on request ranging from 6 to 102mm inside diameter.

Silco Tape

Convuluted Technologies Silco Tape is designed to seal the end of the Silco Sleeve.

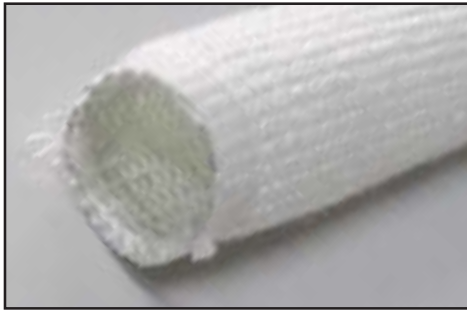
It has the same physical properties as the Silco Sleeving and is available in rolls of 25mm and 38mm wide.

Silica Sleeve

Convuluted Technologies Silica Sleeve is made out of 96% pure SiO₂ 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 sleeves is used in applications where there is abrasion combined with high temperatures.

Silica Sleeve is available on request ranging from 6 to 127mm inside diameter.



Fibre Glass Sleeve

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

Convuluted Technologies fibre glass 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.

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

Braided Stainless Steel Sleeve

Braided stainless steel sleeve: economical hose and cable protection resistant to molten splash, oils, moisture, chemicals and corrosive environments.



Convuluted 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 11 to 287 mm 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.

We have big quantities of these rings in stock as we also use them in the assembly of stainless steel flexible hoses.

They range from 11 to 287 mm inside diameter.

Technical Data

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

Single Crimp Rings			Double Crimp Rings			Stainless Steel Braid	
Part number	ID	Width	Part number	ID	Width	Part number	ID
SWRNG-006	11	20	DWRNG-006	14.4	20	BRAID-006	11
SWRNG-008	14.4	20	DWRNG-008	15.5	20	BRAID-008	14
SWRNG-010	17.8	20	DWRNG-010	19.2	0	BRAID-010	18
SWRNG-012	21.7	20	DWRNG-012	22.9	20	BRAID-012	21
SWRNG-016	25	20	DWRNG-016	26.2	20	BRAID-016	25
SWRNG-020	30	25	DWRNG-020	30.4	25	BRAID-020	30
SWRNG-025	37.8	25	DWRNG-025	39.8	25	BRAID-025	37
SWRNG-032	44.2	30	DWRNG-032	46.6	30	BRAID-032	44
SWRNG-040	54.7	30	DWRNG-040	57.2	30	BRAID-040	54
SWRNG-050	68	35	DWRNG-050	70	35	BRAID-050	68
SWRNG-065	86.7	35	DWRNG-065	88	35	BRAID-065	86
SWRNG-080	99	40	DWRNG-080	101.2	40	BRAID-080	99
SWRNG-100	121	50	DWRNG-100	123	40	BRAID-100	121



CONVOLUTED
TECHNOLOGIES PTY LTD

CONVOLUTED TECHNOLOGIES PTY LTD
2/163 Prospect Highway Seven Hills NSW 2147
Postal Address: P.O. Box 559 Seven Hills NSW 1730
Phone 02 9838 9599 Facsimile 02 9838 9611
Email admin@convolutedtechnologies.com.au
Website www.convolutedtechnologies.com.au