



SAE AS1072 Aviation / Aerospace Firesleeve: High Temperature, Heat, Flame & Fire Resistant - without markings - Oxide-Red and Black
500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods
Aviation / Aerospace Grade: Meets SAE AS1072 - Silicone Rubber Coated Fiberglass Sleeve



FlameShield™ Aviation / Aerospace grade firesleeve allows properly assembled hose assemblies to meet SAE AS1055D testing. We also maintain traceability records for customers buying this product. 500°F / 260°C continuous rating and with a 15 minute FAA “Fireproof” rating when assembled according to SAE AS1055.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables. Remains flexible to -76°C (-104.8°F).

Firesleeve must be cut slightly longer than the hose or cable it is covering so it covers part of the fitting or connector. The longer the hose or cable, and if tight fitting, or if in use the hose/cable will be curved, then the longer the firesleeve needs to be. Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used over the firesleeve at the fitting for aviation and Marine applications. (See our clamps and tools)

This sleeve has a radial elasticity of approximately 15% allowing it to slide over connectors, fittings and splices.

See further specifications on Page 1-6.

FlameShield™ S-AS1072 firesleeve also meets the following standards: UL 1441 VW-1, DIN EN ISO 15540, EN 45545, NF F 16-101, BS 6853, NF X 10-702, NF X 70 100 & NF X 70 200, BS EN ISO 11925, BS EN ISO 4589-2, BS EN 60695-2-11, ASTM D 2863 OI, DD CEN/TS 45545-2, ASTM G85 Type 2.

500°F / 260°C continuous rating, 800°F / 426°C for periods up to 30 minutes
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

FlameShield™ AS1072 Aviation / Aerospace Grade Firesleeve									
Nominal ID Inches / mm / Dash #			Part Number	Price per Foot / Metre	Nominal ID Inches / mm / Dash #			Part Number	Price per Foot / Metre
1/4	6	-04	S-AS1072-M006-04-X	\$ 3.54 / \$ 11.61	1 7/8	48	-30	S-AS1072-M048-30-X	\$ 14.99 / \$ 49.17
3/8	10	-06	S-AS1072-M010-06-X	\$ 3.86 / \$ 12.66	2	51	-32	S-AS1072-M051-32-X	\$ 17.85 / \$ 58.55
7/16	11	-07	S-AS1072-M011-07-X	\$ 4.36 / \$ 14.30	2 1/4	57	-36	S-AS1072-M057-36	\$ 20.54 / \$ 67.37
1/2	13	-08	S-AS1072-M013-08-X	\$ 4.62 / \$ 15.15	2 1/2	64	-40	S-AS1072-M064-40	\$ 23.21 / \$ 76.13
9/16	15	-09	S-AS1072-M015-09-X	\$ 4.88 / \$ 16.01	2 5/8	67	-42	S-AS1072-M067-42	\$ 26.26 / \$ 86.13
5/8	16	-10	S-AS1072-M016-10-X	\$ 5.13 / \$ 16.83	2 3/4	70	-44	S-AS1072-M070-44	\$ 26.89 / \$ 88.20
3/4	19	-12	S-AS1072-M019-12-X	\$ 5.87 / \$ 19.25	2 7/8	73	-46	S-AS1072-M073-46	\$ 30.56 / \$ 100.24
7/8	22	-14	S-AS1072-M022-14-X	\$ 6.96 / \$ 22.83	3	76	-48	S-AS1072-M076-48	\$ 32.39 / \$ 106.24
1	25	-16	S-AS1072-M025-16-X	\$ 7.90 / \$ 25.91	3 1/4	83	-52	S-AS1072-M083-52	\$ 32.91 / \$ 107.95
1 1/8	29	-18	S-AS1072-M029-18-X	\$ 8.93 / \$ 29.29	3 1/2	89	-56	S-AS1072-M089-56	\$ 35.13 / \$ 115.23
1 1/4	32	-20	S-AS1072-M032-20-X	\$ 9.55 / \$ 31.32	3 3/4	95	-60	S-AS1072-M095-60	\$ 35.89 / \$ 117.72
1 3/8	35	-22	S-AS1072-M035-22-X	\$ 9.63 / \$ 31.59	4	102	-64	S-AS1072-M102-64	\$ 37.21 / \$ 122.05
1 1/2	38	-24	S-AS1072-M038-24-X	\$ 9.90 / \$ 32.47	4 1/2	114	-72	S-AS1072-M114-72	\$ 42.72 / \$ 140.12
1 5/8	41	-26	S-AS1072-M041-26-X	\$ 10.05 / \$ 32.96	5	127	-80	S-AS1072-M127-80	\$ 46.83 / \$ 153.60
1 3/4	44	-28	S-AS1072-M044-28-X	\$ 12.85 / \$ 42.15					

For the “-X” value above in the part number, use “-OR” for Oxide-Red or “-BK” for Black

AS1072 Aerospace grade firesleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red in all sizes and Black is available in sizes -04 through -32. Nominal wall thickness is 0.16”.

This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger sizes available in 50 foot / 15 metre lengths

SAE AS1072 Aviation / Aerospace Firesleeve: High Temperature, Heat, Flame & Fire Resistant Type 2 Silicone Rubber Composite

500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods



FlameShield™ Aviation / Aerospace grade firesleeve is manufactured to the SAE AS1072 specification. CofC and Test Report available with orders. Our company QMS has been reviewed and accepted by major aerospace OEMs. Allows properly assembled hose assemblies to meet SAE AS1055D testing. We also maintain traceability records for customers buying this product. 500°F / 260°C continuous rating and with a 15 minute FAA “Fireproof” rating when assembled according to SAE AS1055.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables. Remains flexible to -76°C (-104.8°F).

Firesleeve must be cut slightly longer than the hose or cable it is covering so it covers part of the fitting or connector. The longer the hose or cable, and if tight fitting, or if in use the hose/cable will be curved, then the longer the firesleeve needs to be. Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used over the firesleeve at the fitting for aviation and Marine applications. (See our clamps and tools)

This sleeve has a radial elasticity of approximately 15% allowing it to slide over connectors, fittings and splices.

For further specifications see Technical Data page 1-6. This sleeve is marked per the AS1072 specification. Other markings such as tradenames may be added.

FlameShield™ S-AS1072 firesleeve is also compliant to the following standards: UL 1441 VW-1, DIN EN ISO 15540, EN 45545, NF F 16-101, BS 6853, NF X 10-702, NF X 70 100 & NF X 70 200, BS EN ISO 11925, BS EN ISO 4589-2, BS EN 60695-2-11, ASTM D 2863 OI, DD CEN/TS 45545-2, ASTM G85 Type 2.

**500°F / 260°C continuous rating, 800°F / 426°C for periods up to 30 minutes
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

FlameShield™ SAE AS1072 Aviation / Aerospace Grade Firesleeve with Marking

Nominal ID Inches / mm / Dash #			Part Number	Price per Foot / Metre	Nominal ID Inches / mm / Dash #			Part Number	Price per Foot / Metre
1/4	6	-04	AS1072-04 SIL-FG	\$ 3.99 / \$ 13.09	1 3/4	44	-28	AS1072-28 SIL-FG	\$ 13.88 / \$ 45.52
5/16	8	-05	AS1072-05 SIL-FG	\$ 4.17 / \$ 13.66	1 7/8	48	-30	AS1072-30 SIL-FG	\$ 16.19 / \$ 53.10
3/8	10	-06	AS1072-06 SIL-FG	\$ 4.34 / \$ 14.24	2	51	-32	AS1072-32 SIL-FG	\$ 19.28 / \$ 63.23
7/16	11	-07	AS1072-07 SIL-FG	\$ 4.88 / \$ 16.01	2 1/4	57	-36	AS1072-36 SIL-FG	\$ 22.18 / \$ 72.76
1/2	13	-08	AS1072-08 SIL-FG	\$ 5.16 / \$ 16.92	2 3/8	60	-38	AS1072-38 SIL-FG	\$ 23.63 / \$ 77.51
9/16	15	-09	AS1072-09 SIL-FG	\$ 5.44 / \$ 17.84	2 1/2	64	-40	AS1072-40 SIL-FG	\$ 25.07 / \$ 82.22
5/8	16	-10	AS1072-10 SIL-FG	\$ 5.71 / \$ 18.73	2 5/8	67	-42	AS1072-42 SIL-FG	\$ 28.36 / \$ 93.02
11/16	17	-11	AS1072-11 SIL-FG	\$ 6.11 / \$ 20.04	2 3/4	70	-44	AS1072-44 SIL-FG	\$ 29.04 / \$ 95.26
3/4	19	-12	AS1072-12 SIL-FG	\$ 6.51 / \$ 21.35	2 7/8	73	-46	AS1072-46 SIL-FG	\$ 33.01 / \$ 108.26
13/16	20	-13	AS1072-13 SIL-FG	\$ 7.11 / \$ 23.32	3	76	-48	AS1072-48 SIL-FG	\$ 34.98 / \$ 114.74
7/8	22	-14	AS1072-14 SIL-FG	\$ 7.69 / \$ 25.22	3 1/4	83	-52	AS1072-52 SIL-FG	\$ 35.54 / \$ 116.58
1	25	-16	AS1072-16 SIL-FG	\$ 8.70 / \$ 28.54	3 1/2	89	-56	AS1072-56 SIL-FG	\$ 37.94 / \$ 124.44
1 1/8	29	-18	AS1072-18 SIL-FG	\$ 9.55 / \$ 31.32	3 3/4	95	-60	AS1072-60 SIL-FG	\$ 38.76 / \$ 127.14
1 1/4	32	-20	AS1072-20 SIL-FG	\$ 10.48 / \$ 34.37	4	102	-64	AS1072-64 SIL-FG	\$ 40.19 / \$ 131.81
1 3/8	35	-22	AS1072-22 SIL-FG	\$ 11.33 / \$ 37.16	4 1/2	114	-72	AS1072-72 SIL-FG	\$ 46.14 / \$ 151.33
1 1/2	38	-24	AS1072-24 SIL-FG	\$ 12.18 / \$ 39.95	5	127	-80	AS1072-80 SIL-FG	\$ 50.58 / \$ 165.89
1 5/8	41	-26	AS1072-26 SIL-FG	\$ 13.03 / \$ 42.74	6	162	-96	AS1072-96 SIL-FG	\$ 60.69 / \$ 199.08

SAE AS1072 Aerospace grade firesleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red with black printing. Black sleeve with white printing is available. Other colors available.

**This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger sizes available in 50 foot / 15 metre lengths**



**NSN / NATO Aerospace Sleeve meeting SAE AS1072
Flame & Fire Resistant Type 2 Silicone Rubber Composite for
“Sleeve, hose assembly, fire protection”**

500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods



FlameShield™ Aviation / Aerospace grade firesleeve is manufactured to the SAE AS1072 specification. CofC and Test Report available with orders. Our company QMS has been reviewed and accepted by major aerospace OEMs. Allows properly assembled hose assemblies to meet SAE AS1055D testing. We also maintain traceability records for customers buying this product. 500°F / 260°C continuous rating and with a 15 minute FAA “Fireproof” rating when assembled according to SAE AS1055.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables. Remains flexible to -76°C (-104.8°F).

Firesleeve must be cut slightly longer than the hose or cable it is covering so it covers part of the fitting or connector. The longer the hose or cable, and if tight fitting, or if in use the hose/cable will be curved, then the longer the firesleeve needs to be. Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used over the firesleeve at the fitting for aviation and Marine applications. (See our clamps and tools)

This sleeve has a radial elasticity of approximately 15% allowing it to slide over connectors, fittings and splices.

For further specifications see Technical Data Page. This sleeve is marked per the AS1072 specification. Other markings such as tradenames, symbols, etc. may be added.

FlameShield™ S-AS1072 firesleeve is also compliant to the following standards: UL 1441 VW-1, DIN EN ISO 15540, EN 45545, NF F 16-101, BS 6853, NF X 10-702, NF X 70 100 & NF X 70 200, BS EN ISO 11925, BS EN ISO 4589-2, BS EN 60695-2-11, ASTM D 2863 OI, DD CEN/TS 45545-2, ASTM G85 Type 2.

**500°F / 260°C continuous rating, 800°F / 426°C for periods up to 30 minutes
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

FlameShield™ NSN / NATO SAE AS1072 Aerospace Grade Sleeve with Marking										
Nominal ID Inches / mm / Dash #			Part Number (Yellow highlights NSN/NATO Spec)	Price per Foot / Metre	Nominal ID Inches / mm / Dash #			Part Number (Yellow highlights NSN/NATO Spec)	Price per Foot / Metre	
1/4	6	-04	AS1072-04 SIL-FG	\$ 3.99 / \$ 13.09	1 3/4	44	-28	5970-14-413-6220	\$ 13.88 / \$ 45.52	
5/16	8	-05	5970-14-455-2318	\$ 4.17 / \$ 13.66	1 7/8	48	-30	AS1072-30 SIL-FG	\$ 16.19 / \$ 53.10	
3/8	10	-06	5970-14-455-2322	\$ 4.34 / \$ 14.24	2	51	-32	5970-14-413-6221	\$ 19.28 / \$ 63.23	
7/16	11	-07	AS1072-07 SIL-FG	\$ 4.88 / \$ 16.01	2 1/4	57	-36	5970-14-413-6222	\$ 22.18 / \$ 72.76	
1/2	13	-08	5970-14-455-2324	\$ 5.16 / \$ 16.92	2 3/8	60	-38	AS1072-38 SIL-FG	\$ 23.63 / \$ 77.51	
9/16	15	-09	AS1072-09 SIL-FG	\$ 5.44 / \$ 17.84	2 1/2	64	-40	5970-14-455-2328	\$ 25.07 / \$ 82.22	
5/8	16	-10	5970-14-413-6212	\$ 5.71 / \$ 18.73	2 5/8	67	-42	AS1072-42 SIL-FG	\$ 28.36 / \$ 93.02	
11/16	17	-11	AS1072-11 SIL-FG	\$ 6.11 / \$ 20.04	2 3/4	70	-44	AS1072-44 SIL-FG	\$ 29.04 / \$ 95.26	
3/4	19	-12	5970-14-413-6213	\$ 6.51 / \$ 21.35	2 7/8	73	-46	AS1072-46 SIL-FG	\$ 33.01 / \$ 108.26	
13/16	20	-13	AS1072-13 SIL-FG	\$ 7.11 / \$ 23.32	3	76	-48	5970-14-455-2331	\$ 34.98 / \$ 114.74	
7/8	22	-14	5970-14-413-6214	\$ 7.69 / \$ 25.22	3 1/4	83	-52	AS1072-52 SIL-FG	\$ 35.54 / \$ 116.58	
1	25	-16	5970-14-413-6215	\$ 8.70 / \$ 28.54	3 1/2	89	-56	5970-14-455-2332	\$ 37.94 / \$ 124.44	
1 1/8	29	-18	AS1072-18 SIL-FG	\$ 9.55 / \$ 31.32	3 3/4	95	-60	AS1072-60 SIL-FG	\$ 38.76 / \$ 127.14	
1 1/4	32	-20	5970-14-413-6216	\$ 10.48 / \$ 34.37	4	102	-64	5970-14-455-2334	\$ 40.19 / \$ 131.81	
1 3/8	35	-22	AS1072-22 SIL-FG	\$ 11.33 / \$ 37.16	4 1/2	114	-72	AS1072-72 SIL-FG	\$ 46.14 / \$ 151.33	
1 1/2	38	-24	5970-14-413-6217	\$ 12.18 / \$ 39.95	5	127	-80	AS1072-80 SIL-FG	\$ 50.58 / \$ 165.89	
1 5/8	41	-26	AS1072-26 SIL-FG	\$ 13.03 / \$ 42.74	6	162	-96	AS1072-96 SIL-FG	\$ 60.69 / \$ 199.08	

SAE AS1072 Aerospace grade firesleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red with black printing. Black sleeve with white printing is available. Other colors available.

**This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger sizes available in 50 foot / 15 metre lengths**



DIN EN ISO15540 Marine Grade Firesleeve: High Temperature, Heat, Flame & Fire Resistant

500°F / 260°C Continuous Rating - 800°F / 426°C For Up To 30 Minutes

Marine Grade - Meets DIN EN ISO 15540 / USCG / SOLAS

Silicone Rubber Coated Fiberglass Sleeve



FlameShield™ Marine grade firesleeve allows properly assembled hose assemblies to meet ISO 15540 testing. We also maintain traceability records for customers buying this product. 500°F / 260°C continuous rating and with a 30 minute "Fireproof" 800°F / 426°C rating.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables. Remains flexible to -76°C (-104.8°F).

Firesleeve must be cut slightly longer than the hose or cable it is covering so it covers part of the fitting or connector. The longer the hose or cable, and if tight fitting, or if in use the hose/cable will be curved, then the longer the firesleeve needs to be. Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the ISO standard. Appropriate clamps must be used over the firesleeve at the fitting for aviation and Marine applications. (See our clamps and tools)

This sleeve has a radial elasticity of approximately 15% allowing it to slide over connectors, fittings and splices.

S-ISO15540 also meets the following standards: UL 1441 VW-1, EN 45545, NF F 16-101, BS 6853, NF X 10-702, NF X 70 100 & NF X 70 200, BS EN ISO 11925, BS EN ISO 4589-2, BS EN 60695-2-11, ASTM D 2863 OI, DD CEN/TS 45545-2, ASTM G85 Type 2.

**500°F / 260°C continuous rating, 800°F / 426°C for periods up to 30 minutes
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

FlameShield™ DIN EN ISO15540 Marine Grade Firesleeve									
Nominal ID Inches / mm / Dash #			Part Number	Price per Foot / Metre	Nominal ID Inches / mm / Dash #			Part Number	Price per Foot / Metre
1/4	6	-04	S-ISO15540-M006-04-X	\$ 3.54 / \$ 11.61	1 7/8	48	-30	S-ISO15540-M048-30-X	\$ 14.99 / \$ 49.17
3/8	10	-06	S-ISO15540-M010-06-X	\$ 3.86 / \$ 12.66	2	51	-32	S-ISO15540-M051-32-X	\$ 17.85 / \$ 58.55
7/16	11	-07	S-ISO15540-M011-07-X	\$ 4.36 / \$ 14.30	2 1/4	57	-36	S-ISO15540-M057-36	\$ 20.54 / \$ 67.37
1/2	13	-08	S-ISO15540-M013-08-X	\$ 4.62 / \$ 15.15	2 1/2	64	-40	S-ISO15540-M064-40	\$ 23.21 / \$ 76.13
9/16	15	-09	S-ISO15540-M015-09-X	\$ 4.88 / \$ 16.01	2 5/8	67	-42	S-ISO15540-M067-42	\$ 26.26 / \$ 86.13
5/8	16	-10	S-ISO15540-M016-10-X	\$ 5.13 / \$ 16.83	2 3/4	70	-44	S-ISO15540-M070-44	\$ 26.89 / \$ 88.20
3/4	19	-12	S-ISO15540-M019-12-X	\$ 5.87 / \$ 19.25	2 7/8	73	-46	S-ISO15540-M073-46	\$ 30.56 / \$ 100.24
7/8	22	-14	S-ISO15540-M022-14-X	\$ 6.96 / \$ 22.83	3	76	-48	S-ISO15540-M076-48	\$ 32.39 / \$ 106.24
1	25	-16	S-ISO15540-M025-16-X	\$ 7.90 / \$ 25.91	3 1/4	83	-52	S-ISO15540-M083-52	\$ 32.91 / \$ 107.95
1 1/8	29	-18	S-ISO15540-M029-18-X	\$ 8.93 / \$ 29.29	3 1/2	89	-56	S-ISO15540-M089-56	\$ 35.13 / \$ 115.23
1 1/4	32	-20	S-ISO15540-M032-20-X	\$ 9.55 / \$ 31.32	3 3/4	95	-60	S-ISO15540-M095-60	\$ 35.89 / \$ 117.72
1 3/8	35	-22	S-ISO15540-M035-22-X	\$ 9.63 / \$ 31.59	4	102	-64	S-ISO15540-M102-64	\$ 37.21 / \$ 122.05
1 1/2	38	-24	S-ISO15540-M038-24-X	\$ 9.90 / \$ 32.47	4 1/2	114	-72	S-ISO15540-M114-72	\$ 42.72 / \$ 140.12
1 5/8	41	-26	S-ISO15540-M041-26-X	\$ 10.05 / \$ 32.96	5	127	-80	S-ISO15540-M127-80	\$ 46.83 / \$ 153.60
1 3/4	44	-28	S-ISO15540-M044-28-X	\$ 12.85 / \$ 42.15					

For the "-X" value above in the part number, use "-OR" for Oxide-Red or "-BK" for Black

ISO15540 Marine grade firesleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet DIN EN ISO 15560 for fuel and lubricating oil marine systems.

Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red in all sizes and Black is available in sizes -04 through -32. Nominal wall thickness is 0.16".

**This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger sizes available in 50 foot / 15 metre lengths**

FlameShield™ Firesleeve Technical Data For Part Numbers S-FS / S-FSHD / S-AS1072 / S-ISO15540

Base Fiberglass Substrate – All Versions

Fiber Type:	E Glass
Specific Gravity:	2.54-2.69
Breaking Tenacity:	1.71 gf/TEX. Std. 1.71 gf/TEX Wet
Tensile Strength:	450,000-500,000 psi.
Breaking Elongation:	4.81% Std. 4.81% Wet
Elastic Recovery:	100%
Average Stiffness:	2824.3 cn/TEX

Effect of Heat: Will not burn; Retains 75% tensile at 343°C; Softens at 732-877°C; Melts at 1121-1182°C.
Effect of Acids and Alkalis; Resistance to acids is fair. Good resistance to most alkalis.
Effect of Bleaches and Solvents: Unaffected.

Silicone Rubber Coating – All Versions

Durometer, Shore A:	Initial; 35	Aged 240 hours @ 200°C; 45
Tensile Strength (psi):	Initial; 875	Aged 240 hours @ 200°C; 800
Elongation %:	Initial; 500	Aged 240 hours @ 200°C; 200
Flammability, UL94; V-1		
Dielectric Strength (volts/mil); 485		

Elasticity

S-FSHD: Linear elasticity of approximately 2% and a radial elasticity of approximately 15%.
S-FS: Linear elasticity of approximately 2% and a radial elasticity of approximately 2%.

S-FSHD / S-AS1072 / S-ISO15540 sleeve meeting SAE AS1072 & DIN EN ISO15540 Specifications; Additional Data

Coating Thickness

AS1072 Specification: Minimum: .03" (0.8mm)

Fluid Resistance

Phosphate Ester hydraulic fluids	MIL-H-5606 hydraulic fluid
MIL-T-5624 Jet Fuel	MIL-L-6082 lubricating oil
MIL-L-7808 lubricating oil	MIL-L-23699 lubricating oil
MIL-H-83282 hydraulic fluid	

UL 1441 VW-1, EN 45545, NF F 16-101, BS 6853, NF X 10-702, NF X 70 100 & NF X 70 200, BS EN ISO 11925, BS EN ISO 4589-2, BS EN 60695-2-11, ASTM D 2863 OI, DD CEN/TS 45545-2, ASTM G85 Type 2.

Printed/Marked Sleeve Options

FlameShield™ SAE AS1072 firesleeve is available unmarked but package labelled with the SAE nomenclature, or with SAE standard marking. Sleeve can also be printed/marked with other identification, part numbers, instructions, warnings, etc. Non standard SAE marking cost of an etched print wheel is \$275.00. A setup charge of \$75.00 per print run applies. Cost of printing is \$0.25 per foot. Standard SAE marking is \$0.20 per foot.





End Dip & End Seal Paste for Firesleeve Sealing

High Temperature & Heat Resistant Sealant For Industrial, Heavy Duty, Aerospace, Marine Grade Firesleeve



SleeveSeal™

End Seal Dip – Liquid Silicone Rubber
End Seal Paste – Silicone Rubber RTV

The ends of firesleeve can be sealed against the absorption of liquids by dipping the end in this liquid silicone rubber end dip sealant or by using end seal paste.

Available in any color: Oxide-Red and Black are the most common (other colors 1 gallon minimum).

Becomes tack free in 60 to 90 minutes and cures fully in 16 to 24 hours*. Cure can be accelerated by increasing relative humidity and also adding heat.

500°F / 260°C rating once cured. Non-hazardous to ship. Liquid End Seal Dip may be thinned with odourless mineral spirits (xylene). Non corrosive and meets Mil-A-46146 as per NAVAIR 01-1A-20.

The 4 oz mini container opening can accommodate sleeve up to 1 3/4" ID.

The 16 oz container opening can accommodate sleeve up to 3 1/4" ID.

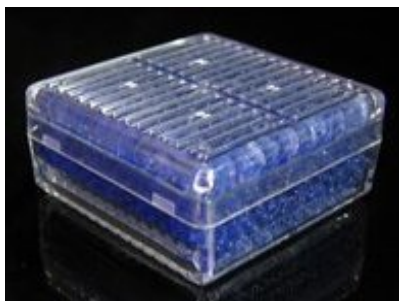
A Low VOC version is available: Maximum VOC is 20g/L.

SleeveSeal™ High Temperature Liquid End Seal Dip and End Seal Paste		
Quantity	Part Number	Price
Liquid End Seal Dip		
4 oz	US-ESD-04-XX	\$ 21.76
16 oz (Pint)	US-ESD-16-XX	\$ 46.47
32 oz (Quart)	US-ESD-32-XX	\$ 87.20
128 oz (1 gallon)	US-ESD-128-XX	\$ 229.32
128 oz (1 gallon)	US-ESD-LV-128-XX*	\$ 281.08
640 oz (5 gallon)	US-ESD-640-XX	\$ 988.40
End Seal Paste		
3 oz tube	US-ESP-03-XX	\$ 19.83
10.3 oz cartridge	US-ESP-10-XX	\$ 38.47
Desiccant Box		
1.5oz Desiccant in Box	AB-SGD-1	\$ 12.87

XX = "OR" for oxide-red or "BK" for black. Other colors are available for the Dip: min quantity is 1 gallon.

* = Low VOC version.

Desiccant Box



Desiccant box can be placed with uncured SleeveSeal™ Dip container in a sealed container or bag to considerably extend shelf life. Can be re-generated for unlimited re-use.

Perforated plastic box is approx 2 1/4" x 2 1/4" x 1". Total weight is 2.3oz (67g). Can be recharged at low temperature in an oven or microwave. Dry desiccant is blue in color and changes to pink as it absorbs moisture.

Firesleeve EndWrap™ Tape / High Temperature Electrical Tape 500°F/260°C
Silicone Rubber Self Fusing / Self Binding / Self Amalgamating Compression Tape



FlameShield™ end wrap & electrical amalgamating compression tape is a unique adhesive-free tape which self-fuses / self-bonds within 24 hours or less at room temperature or shorter time at elevated temperatures when wrapped over itself, providing an excellent water-tight and air-tight seal.

Tape is adhesive free; leaves no residue when removed. Typically used to protect the free ends of firesleeve from wicking liquids once installed on hoses or cables. Also used for electrical wire and cable splice protection and protection of wires at connector shell clamp band locations. Exceptional electrical insulation resistance in a single wrap.

Tested to:

- ASTM D 149; tested for minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
- ASTM D 412; tested for minimum 700 psi tensile strength and minimum 300% elongation.
- ASTM D 2240; Durometer (Shore A); 55. Other test data available.

Using triangular profile tapes results in a smooth surface contour when spiral wrapped. The most common tapes are 1" wide triangular profile with either a 0.020" or 0.040" center thickness. Meets Mil-I-46852C & A-A-59163 specifications. Triangular tapes have a center guideline to aid in properly spacing the tape when spiral wrapping. T-SR-SA25 tape meets MIL-I-22444 and provides uniform thickness even on sharp corners and edges.

Tape part numbers ending in "BK" are Black color; "OR" are Oxide-Red color. Other colors are available by custom run.

FlameShield™ High Temperature Silicone Self Fusing Firesleeve EndWrap™ Tape				
Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II				
Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile	Single Roll Price Per Roll
T-SR-M013-08-RBK-20	1/2 / 12.7	0.020 / 0.508	Black / I / Rectangular	\$ 29.37
T-SR-M013-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Red / I / Rectangular	\$ 37.16
T-SR-M016-10-RBK-20	5/8 / 15.7	0.020 / 0.508	Black / I / Rectangular	\$ 30.17
T-SR-M019-12-ROR-10	3/4 / 19	0.010 / 0.254	Oxide-Red / I / Rectangular	\$ 23.85
T-SR-M019-12-RBK-20	3/4 / 19	0.020 / 0.508	Black / I / Rectangular	\$ 31.96
T-SR-M025-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Red / II / Triangular	\$ 33.80
T-SR-M025-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Red / I / Rectangular	\$ 34.71
T-SR-M025-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Red / II / Triangular	\$ 37.91
T-SR-M025-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Red / I / Rectangular	\$ 39.64
T-SR-M038-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Red / I / Rectangular	\$ 48.77
T-SR-M038-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Red / I / Rectangular	\$ 38.47
T-SR-M051-32-RXX-20	2 / 50.8	0.020 / 0.508	Black or Red / I / Rectangular	\$ 57.13
T-SR-M051-32-TXX-20	2 / 50.8	0.020 / 0.508	Black or Red / II / Triangular	\$ 48.86
Triangular Type II Tapes Only: .020" has a blue guideline / .040" has a green guideline				

Supported Tape with Limited Elongation				
Meets MIL-I-22444 (also meets ABS 5334 Specifications)				
Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile	Single Roll Price Per Roll
T-SR-SA25-08-20-RXX*	1/2 / 12.7	0.020 / 0.508	Red or Black / I / Rectangular	\$ 49.76
T-SR-SA25-16-20-ROR*	1 / 25.4	0.020 / 0.508	Red or Black / I / Rectangular	\$ 67.29

* NOTE: T-SR-SA25 tapes have an encapsulated sinusoidal weave fiberglass reinforcement layer, limiting stretch of the tape to a maximum of 25%, ensuring that the tape thickness remains constant over irregular surfaces and edges.

A Certificate of Conformity is available at \$6.00 per roll or \$25.00 per line item / batch-lot. Test report is available at \$75.00 per line item. This tape is also available meeting several other OEM and National Stock Number / NATO Stock Number specifications (available under military cage code is L8347).

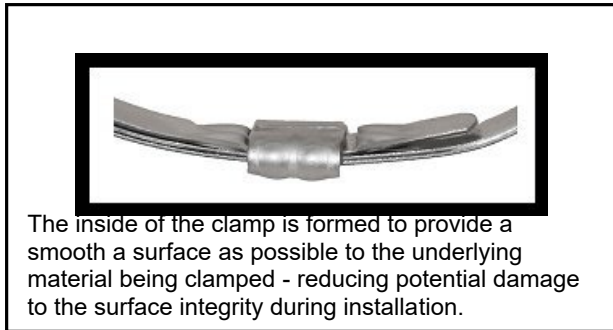
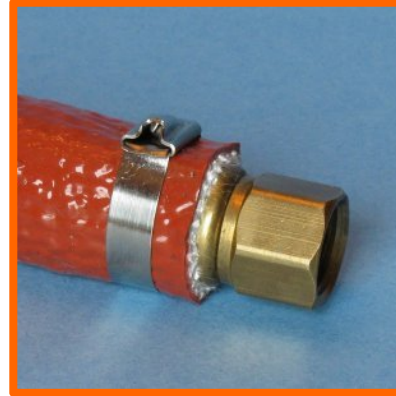
These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene (Mylar®). Polyester liner available.

Firesleeve Accessories: Stainless Steel Clamps & Clamp Tools

Type 201 Stainless Steel - 1/4" / 6.4mm wide



Preformed Stainless Steel Twice-Around clamps are the strongest clamps available for firesleeve or hose assembly. Use our Firesleeve Clamp Tool for closing and locking these clamps. Clamp widths available are 0.25", 0.375", 0.5", 0.625" and 0.75" wide. 0.25" wide clamps are type 201 stainless steel.



Free-end or twice-around clamps are used to secure firesleeve over hoses at the fitting. Twice-around clamps offer better tensile strength than free end clamps and provide superior clamping of hydraulic hoses onto fittings.

The inside of the clamp is formed to provide a smooth a surface as possible to the underlying material being clamped - reducing potential damage to the surface integrity during installation.

FlameShield™ Type 201 Stainless Steel Preformed Twice Around Clamps 1/4" / 0.25" / 6.35mm wide - .020"/.51mm thick		
Part Number	Max Sleeve or Hose OD Inches / mm	Price Each
C-TA-250-13-201SS	13/16 / 20	\$ 2.84
C-TA-250-16-201SS	1 / 25	\$ 2.96
C-TA-250-22-201SS	1 3/8 / 34	\$ 3.12
C-TA-250-24-201SS	1 1/2 / 38	\$ 3.27
C-TA-250-32-201SS	2 / 51	\$ 3.48
C-TA-250-40-201SS	2 1/2 / 63	\$ 3.84
C-TA-250-44-201SS	2 3/4 / 70	\$ 4.01
C-TA-250-48-201SS	3 / 76	\$ 4.08
C-TA-250-56-201SS	3 1/2 / 88	\$ 4.40
C-TA-250-64-201SS	4 / 101	\$ 5.32
C-TA-250-72-201SS	4 1/2 / 114	\$ 6.28

Full box quantity is 100 clamps. Discount for full box purchase is 35%
 Half-box quantity is 50 clamps. Discount for half-box purchase is 25%

FlameShield™ Type 201 / 316 Stainless Steel / Galvanized Carbon Steel Preformed Twice Around Clamps 3/8" / 0.375" / 9.6mm wide - .025"/.64mm thick		
Part Number	Max Sleeve or Hose OD Inches / mm	Price Each 201 / 316 / Galv
C-TA-375-13-X	13/16 / 20	\$ 2.46 / \$ 6.93 / \$ 0.93
C-TA-375-16-X	1 / 25	\$ 2.83 / N/A / \$ 1.00
C-TA-375-22-X	1 3/8 / 34	\$ 2.76 / \$ 7.60 / \$ 1.03
C-TA-375-32-X	2 / 51	\$ 3.13 / \$ 9.00 / \$ 1.30
C-TA-375-40-X	2 1/2 / 63	\$ 3.56 / \$ 10.26 / \$ 1.90
C-TA-375-48-X	3 / 76	\$ 4.00 / N/A / \$ 1.67
C-TA-375-56-X	3 1/2 / 88	\$ 4.93 / \$ 12.60 / \$ 2.40
C-TA-375-64-X	4 / 101	\$ 4.73 / \$ 14.03 / \$ 2.63

For the "X" value, substitute:

- "201SS" for 201 Stainless Steel
- "316SS" for 316 Stainless Steel
- "GAL" for Galvanized Carbon Steel

Full box quantity is 100 clamps. Discount for full box purchase is 35%
 Half-box quantity is 50 clamps. Discount for half-box purchase is 25%

FlameShield™ Type 201 / 316 Stainless Steel / Galvanized Carbon Steel Preformed Twice Around Clamps 1/2" / 0.5" / 12.7mm wide - .030"/.76mm thick		
Part Number	Max Sleeve or Hose OD Inches / mm	Price Each 201 / 316 / Galv
C-TA-500-16-X	1 / 25	\$ 3.43 / \$ 10.47 / \$ 1.33
C-TA-500-20-X	1 1/4 / 31	\$ 3.77 / \$ 11.43 / \$ 1.47
C-TA-500-24-X	1 1/2 / 38	\$ 4.33 / N/A / \$ 1.63
C-TA-500-28-X	1 3/4 / 44	\$ 4.93 / N/A / \$ 1.93
C-TA-500-32-X	2 / 51	\$ 5.16 / \$ 15.80 / \$ 2.00
C-TA-500-40-X	2 1/2 / 63	\$ 5.43 / \$ 16.87 / \$ 2.10
C-TA-500-44-X	2 3/4 / 69	\$ 5.70 / N/A / \$ 2.30
C-TA-500-48-X	3 / 76	\$ 6.30 / \$ 19.23 / \$ 2.53
C-TA-500-56-X	3 1/2 / 88	\$ 6.90 / \$ 21.20 / \$ 2.87
C-TA-500-64-X	4 / 101	\$ 7.53 / \$ 23.00 / \$ 3.23

For the "X" value, substitute:

- "201" for 201 Stainless Steel
- "316" for 316 Stainless Steel
- "GAL" for Galvanized Carbon Steel

Full box quantity is 100 clamps. Discount for full box purchase is 35%
 Half-box quantity is 50 clamps. Discount for half-box purchase is 25%

FlameShield™ Type 201 / 316 Stainless Steel / Galvanized Carbon Steel Preformed Twice Around Clamps 5/8" / 0.625" / 15.9mm wide - .030"/.76mm thick		
Part Number	Max Sleeve or Hose OD Inches / mm	Price Each 201 / 316 / Galv
C-TA-625-24-X	1 1/2 / 38	\$ 5.44 / \$ 16.56 / \$ 2.04
C-TA-625-28-X	1 3/4 / 38	\$ 6.04 / \$ 18.60 / \$ 2.28
C-TA-625-32-X	2 / 51	\$ 6.60 / \$ 20.40 / \$ 2.48
C-TA-625-36-X	2 1/4 / 57	\$ 7.04 / \$ 21.76 / \$ 2.64
C-TA-625-40-X	2 1/2 / 63	\$ 7.48 / \$ CALL / \$ 2.88

For the "X" value, substitute:

"201" for 201 Stainless Steel

"316" for 316 Stainless Steel

"GAL" for Galvanized Carbon Steel

Full box quantity is 100 clamps. Discount for full box purchase is 35%
 Half-box quantity is 50 clamps. Discount for half-box purchase is 25%

FlameShield™ Type 201 / 316 Stainless Steel / Galvanized Carbon Steel Preformed Twice Around Clamps 3/4" / 0.75" / 19.1mm wide - .030"/.76mm thick		
Part Number	Max Sleeve or Hose OD Inches / mm	Price Each 201 / 316 / Galv
C-TA-750-32-X	2 / 51	\$ 8.16 / \$ 25.60 / \$ 3.04
C-TA-750-44-X	2 3/4 / 69	\$ 8.88 / \$ 29.64 / \$ 3.44
C-TA-750-48-X	3 / 76	\$ 9.64 / \$ 30.96 / \$ 3.60
C-TA-750-56-X	3 1/2 / 88	\$ 10.24 / \$ 33.68 / \$ 3.92
C-TA-750-64-X	4 / 101	\$ 11.76 / \$ 36.32 / \$ 4.52
C-TA-750-72-X	4 1/2 / 114	\$ 12.64 / \$ 39.00 / \$ 4.76
C-TA-750-80-X	5 / 127	\$ 13.64 / \$ 41.68 / \$ 5.90
C-TA-750-84-X	5 1/4 / 133	\$ 14.16 / \$ 43.56 / \$ 6.10
C-TA-750-96-X	6 / 152	\$ 15.68 / \$ 48.16 / \$ 6.40
C-TA-750-100-X	6 1/4 / 165	\$ 17.28 / \$ N/A / \$ 6.56
C-TA-750-112-X	7 / 177	\$ CALL / \$ N/A / \$ 7.12
C-TA-750-128-X	8 / 203	\$ 21.28 / \$ N/A / \$ 10.08

For the "X" value, substitute:

"201" for 201 Stainless Steel

"316" for 316 Stainless Steel

"GAL" for Galvanized Carbon Steel

Full box quantity is 100 clamps. Discount for full box purchase is 35%
 Half-box quantity is 50 clamps. Discount for half-box purchase is 25%



Firesleeve Stainless Steel Clamps Free End Clamps & Clamp Tool



Clamps – Stainless Steel; Free End; Self Locking

These stainless steel clamps are self locking and can be closed with common hand tools such as standard or needle nose pliers. A tighter clamping can be achieved with the Firesleeve Clamp Tools.

Clamps are available in two widths: .181" (tensile 96 lbs) and .311" (tensile 242 lbs). Clamps longer than 20" are available – call for details. Available in 304 and 316 Stainless Steel.

Free End Clamps – .18" / 5mm wide - 304/316 Stainless Steel – Self Locking					
Part Number	Max Sleeve ID Inches / mm	Clamp width inches / mm	Length inch / mm	Price 100 Bag 304 / 316	Price Each 304 / 316
C-SSSL-3XX-W181-L06-X	7/16 / 11	0.181 / 5.0	6" / 152	\$ 121.00 / \$ 139.00	\$ 1.82 / \$ 2.09
C-SSSL-3XX-W181-L08-X	1 1/8 / 28	0.181 / 5.0	8" / 203	\$ 139.00 / \$ 160.00	\$ 2.09 / \$ 2.40
C-SSSL-3XX-W181-L14-X	3 / 76	0.181 / 5.0	14" / 355	\$ 159.00 / \$ 183.00	\$ 2.39 / \$ 2.75
C-SSSL-3XX-W181-L20-X	5 / 127	0.181 / 5.0	20" / 508	\$ 211.00 / \$ 243.00	\$ 3.17 / \$ 3.65

Free End Clamps – .31" / 8mm wide - 304/316 Stainless Steel – Self Locking					
Part Number	Max Sleeve ID Inches / mm	Clamp width inches / mm	Length inch / mm	Price 100 Bag 304 / 316	Price Each 304 / 316
C-SSSL-3XX-W311-L08-X	1 1/8 / 28	0.311 / 8.0	8" / 203	\$ 159.00 / \$ 183.00	\$ 2.39 / \$ 2.75
C-SSSL-3XX-W311-L14-X	3 / 76	0.311 / 8.0	14" / 355	\$ 229.00 / \$ 263.00	\$ 3.44 / \$ 3.95
C-SSSL-3XX-W311-L20-X	5 / 127	0.311 / 8.0	20" / 508	\$ 387.00 / \$ 445.00	\$ 5.80 / \$ 6.68
C-SSSL-PPAP	Level 1 PAPP Certificate – (Per Line Item)			\$ 460.00	

Clamp Tool		
C-FCT-1		\$ 44.61

For the "X" value:
substitute "04" for 304 Stainless Steel or "16" for 316 Stainless Steel



Firesleeve Stainless Steel Clamps Free End Clamps & Clamp Tool



Firesleeve Clamp Tool

Firesleeve Clamp Tool aids in the tightening of either style of clamp up to 3/8" wide. Built-in handles for the winder and cutter or a standard 1/2" wrench can be used for additional torque on the winder. The tool requires 4.5" of clamp free end for the winder to be properly loaded.

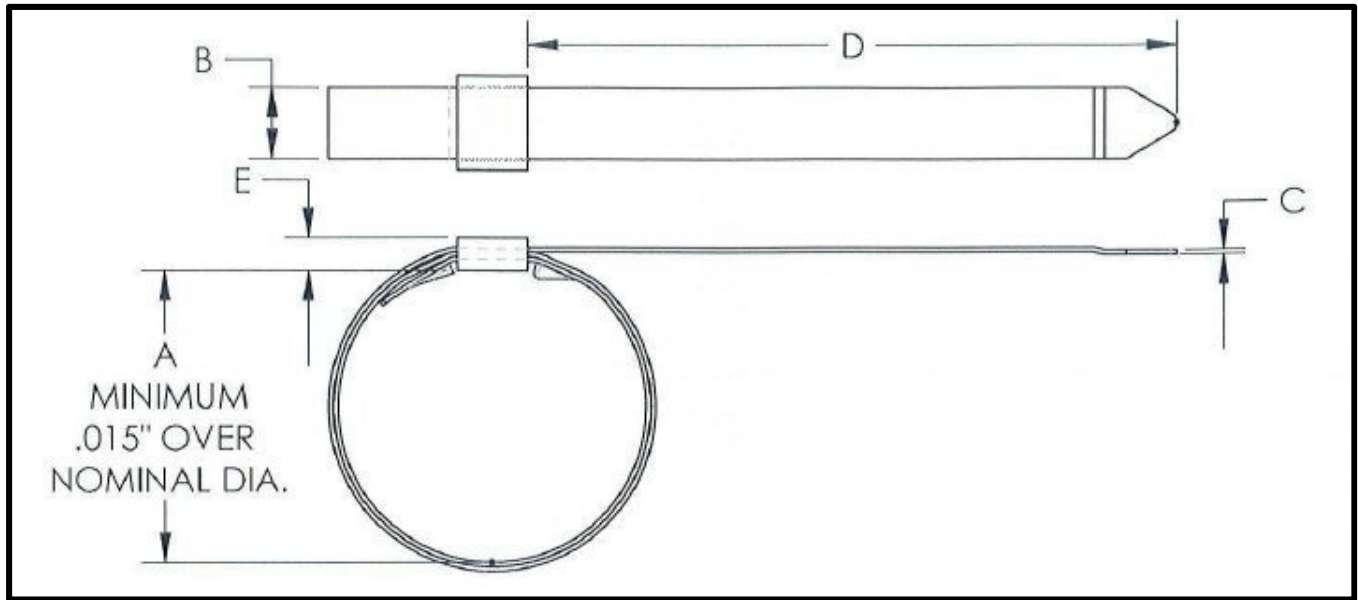
Clamp Tool		
C-FCT-1		\$ 44.61



Using FlameShield™ end wrap compression tape over the clamp makes for a neat and clean installation that prevents contamination of the sleeve end.

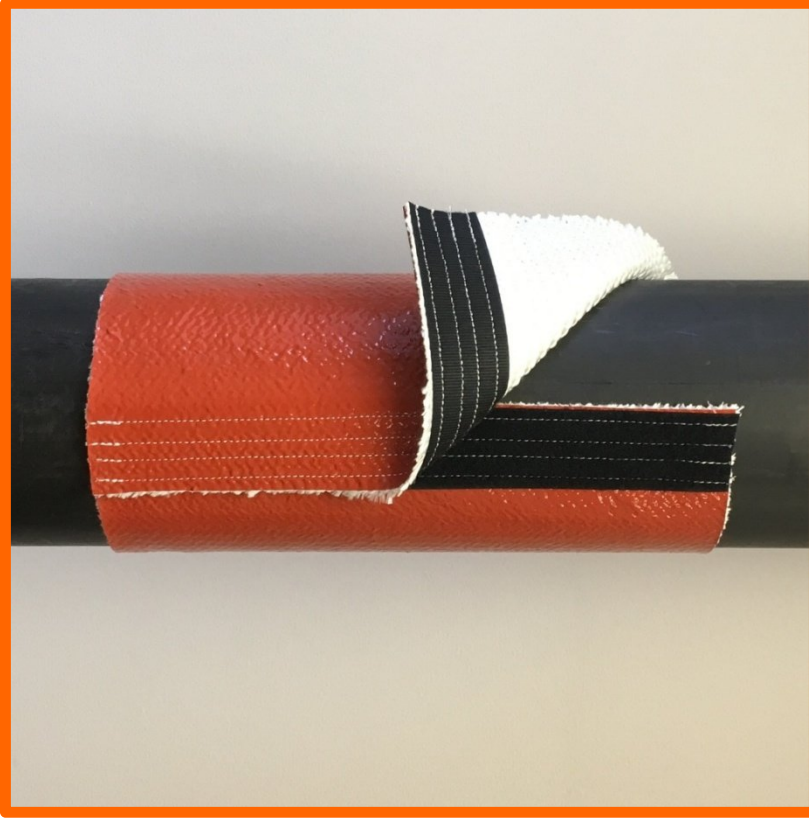
Firesleeve Stainless Steel Preformed Twice Around Clamps – Smooth ID

Dimensional Data



Twice Around Clamp Physical Dimensions and Material Specifications						
Part Number	Material Band / Buckle	Nominal I.D.	Width +/- .005	Thickne ss +/- .002	Tail Length	Buckle Height Max

Aviation Firesleeve with Flame Retardant Hook & Loop Closure 500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods High Temperature, Heat, Flame & Fire Resistant



ZeusGard™ Firesleeve is a high temperature sleeve with YKK brand flame retardant hook and loop or VELCRO® Brand closure. SAE AS1072 firesleeve is used for construction of this retrofit sleeve which can be installed without disconnecting hoses, cables or wiring.

Typical applications are to protect fluid carrying hoses, cables and wires that are exposed to high temperatures or for additional protection in the event of fire. No guarantee is made as to the fire exposure time that this sleeve provides as it is modified from the AS1072 specification. Critical system components should be protected with standard AS1072 firesleeve without hook & loop closure.

The closure remains protected inside of the sleeve and is protected by the fabric overlap. The thread used is a high temperature e-fiberglass. Other threads such as stainless steel are available. The standard nylon hook and loop closure is flame retardant and meets MIL-F-21840, AA-55126, NFPA 1971-1991, FMVSS 302, FAA 25.853a.

To aid in keeping the firesleeve closed in the event of exposure to higher than rated temperatures or in the event of flame exposure, this sleeve should be further secured with metal band clamps spaced at regular intervals.

This is a custom fabrication item – please allow 2 to 5 business days from date of order. Contact us to determine the specific production time for your order.

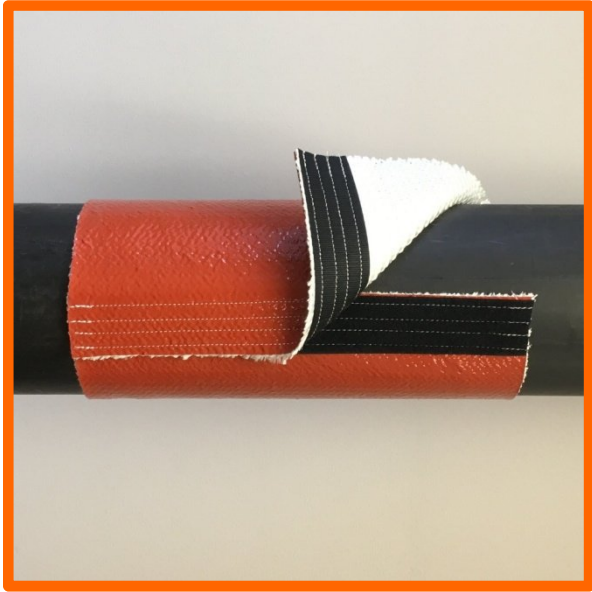
The long edge of the sleeve has some fray of the underlying fiberglass, which does not affect the performance of the sleeve, and is only an aesthetic consideration.

The standard closure is nylon hook & loop. Nomex® and Stainless Steel is available. For Nomex® add \$7.00 per foot. For Stainless Steel add \$36.00 per foot. Sleeve with Nomex® or Stainless Steel closure will have 1" wide closure material. Delivery time for other than standard will be a few additional days. See our catalog page for Nomex® and Stainless Steel closures for temperature ratings and other specifications.

Aviation Firesleeve with Flame Retardant Hook & Loop Closure (Continued)

500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods

High Temperature, Heat, Flame & Fire Resistant



500°F / 260°C continuous rating.

2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

ZeusGard™ Aviation Firesleeve with Hook & Loop Closure						
Nominal ID inches / mm / Dash #			Part Number	Hook & loop Width, inches	Price per Foot	Price per Metre
1/2	13	-08	S-FS-VCL-AERO-M013-08	1/2	\$ 17.56	\$ 57.60
3/4	19	-12	S-FS-VCL-AERO-M019-12	1/2	\$ 20.34	\$ 66.72
1	25	-16	S-FS-VCL-AERO-M025-16	5/8	\$ 23.29	\$ 76.39
1 1/4	32	-20	S-FS-VCL-AERO-M032-20	5/8	\$ 25.60	\$ 83.97
1 1/2	38	-24	S-FS-VCL-AERO-M038-24	3/4	\$ 27.83	\$ 91.28
1 3/4	44	-28	S-FS-VCL-AERO-M044-28	3/4	\$ 29.77	\$ 97.65
2	51	-32	S-FS-VCL-AERO-M051-32	3/4	\$ 32.21	\$ 105.65
2 1/4	57	-36	S-FS-VCL-AERO-M057-36	3/4	\$ 34.23	\$ 112.27
2 1/2	64	-40	S-FS-VCL-AERO-M064-40	3/4	\$ 37.49	\$ 122.97
2 3/4	70	-44	S-FS-VCL-AERO-M070-44	3/4	\$ 38.80	\$ 127.26
3	76	-48	S-FS-VCL-AERO-M076-48	1	\$ 40.94	\$ 134.28
3 1/4	83	-52	S-FS-VCL-AERO-M083-52	1	\$ 43.34	\$ 142.16
3 1/2	89	-56	S-FS-VCL-AERO-M089-56	1	\$ 45.29	\$ 148.55
3 3/4	95	-60	S-FS-VCL-AERO-M095-60	1	\$ 47.21	\$ 154.85
4	102	-64	S-FS-VCL-AERO-M102-64	1	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FS-VCL-AERO-M108-68	1	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FS-VCL-AERO-M114-72	1	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FS-VCL-AERO-M121-76	1	\$ 55.17	\$ 180.96
5	127	-80	S-FS-VCL-AERO-M127-80	1	\$ 57.54	\$ 188.73

Available in continuous lengths up to 100 feet.

Larger ID (Inside Diameter) Sizes Available - Please Ask



Firesleeve with Metal Snap Closure

500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods

High Temperature, Heat, Flame & Fire Resistant

Removable silicone rubber coated fiberglass sleeve with snap closure provides heavy duty weld splatter & molten splash protection



SnapSleeve™ Firesleeve is a heavy duty silicone rubber coated fibreglass sleeve with snap style closures protects industrial wire, cable and hose with the benefits of being installed & removed as required. Typical applications are as robotic welding cable protection, steel mill roll-stand hydraulic hose protection or as a cover in extreme environments where serviceability is required. This is a custom fabrication item – please allow 3 to 10 business days from date of order. Available in continuous lengths up to 100 feet for IDs up to 3 1/2” and 75 feet for IDs larger than 3 3/4”. Standard snap spacing is 3” but can be adjusted to the customer’s preference.

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

**500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

SnapSleeve™ Firesleeve with Metal Snap Closure					
Heavy Duty Removable Molten Splash Protection Sleeve					
Nominal ID inches / mm / Dash #			Part Number	Price Per Foot	Price Per Metre
1	25	-16	S-FS-SNAP-M025-16	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FS-SNAP-M032-20	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FS-SNAP-M038-24	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FS-SNAP-M044-28	\$ 26.77	\$ 87.81
2	51	-32	S-FS-SNAP-M051-32	\$ 29.00	\$ 95.12
2 1/4	57	-36	S-FS-SNAP-M057-36	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FS-SNAP-M064-40	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FS-SNAP-M070-44	\$ 35.80	\$ 117.42
3	76	-48	S-FS-SNAP-M076-48	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FS-SNAP-M083-52	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FS-SNAP-M089-56	\$ 42.29	\$ 138.71

This Product is Available By-The-Foot / Metre. Larger IDs Available

Firesleeve with Metal Snap Closure (Continued)

Large Diameter



SnapSleeve™ Firesleeve with Metal Snap Closure					
Heavy Duty Removable Molten Splash Protection Sleeve					
Nominal ID inches / mm / Dash #			Part Number	Price Per Foot	Price Per Metre
3 3/4	95	-60	S-FS-SNAP-M095-60	\$ 44.51	\$ 145.99
4	102	-64	S-FS-SNAP-M102-64	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FS-SNAP-M108-68	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FS-SNAP-M114-72	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FS-SNAP-M121-76	\$ 55.17	\$ 180.96
5	127	-80	S-FS-SNAP-M127-80	\$ 57.54	\$ 188.73
5 1/4	133	-84	S-FS-SNAP-M133-84	\$ 59.37	\$ 194.73
5 1/2	140	-88	S-FS-SNAP-M140-88	\$ 61.66	\$ 202.25
5 3/4	146	-92	S-FS-SNAP-M146-92	\$ 63.94	\$ 209.72
6	152	-96	S-FS-SNAP-M152-96	\$ 66.11	\$ 216.84
6 1/4	159	-100	S-FS-SNAP-M159-100	\$ 68.51	\$ 224.71
6 1/2	165	-104	S-FS-SNAP-M165-104	\$ 70.74	\$ 232.03
6 3/4	171	-108	S-FS-SNAP-M171-108	\$ 72.74	\$ 238.59
7	178	-112	S-FS-SNAP-M178-112	\$ 74.97	\$ 245.90
7 1/4	184	-116	S-FS-SNAP-M184-116	\$ 76.97	\$ 252.46
7 1/2	191	-120	S-FS-SNAP-M191-120	\$ 79.54	\$ 260.89
7 3/4	197	-124	S-FS-SNAP-M197-124	\$ 81.77	\$ 268.21
8	203	-128	S-FS-SNAP-M203-128	\$ 83.69	\$ 274.50
8 1/4	210	-132	S-FS-SNAP-M210-132	\$ 86.26	\$ 282.93
8 1/2	216	-136	S-FS-SNAP-M216-136	\$ 88.43	\$ 290.05
8 3/4	222	-140	S-FS-SNAP-M222-140	\$ 90.23	\$ 295.95
9	229	-144	S-FS-SNAP-M229-144	\$ 92.57	\$ 303.63

This Product is Available By-The-Foot / Metre. Larger IDs Available

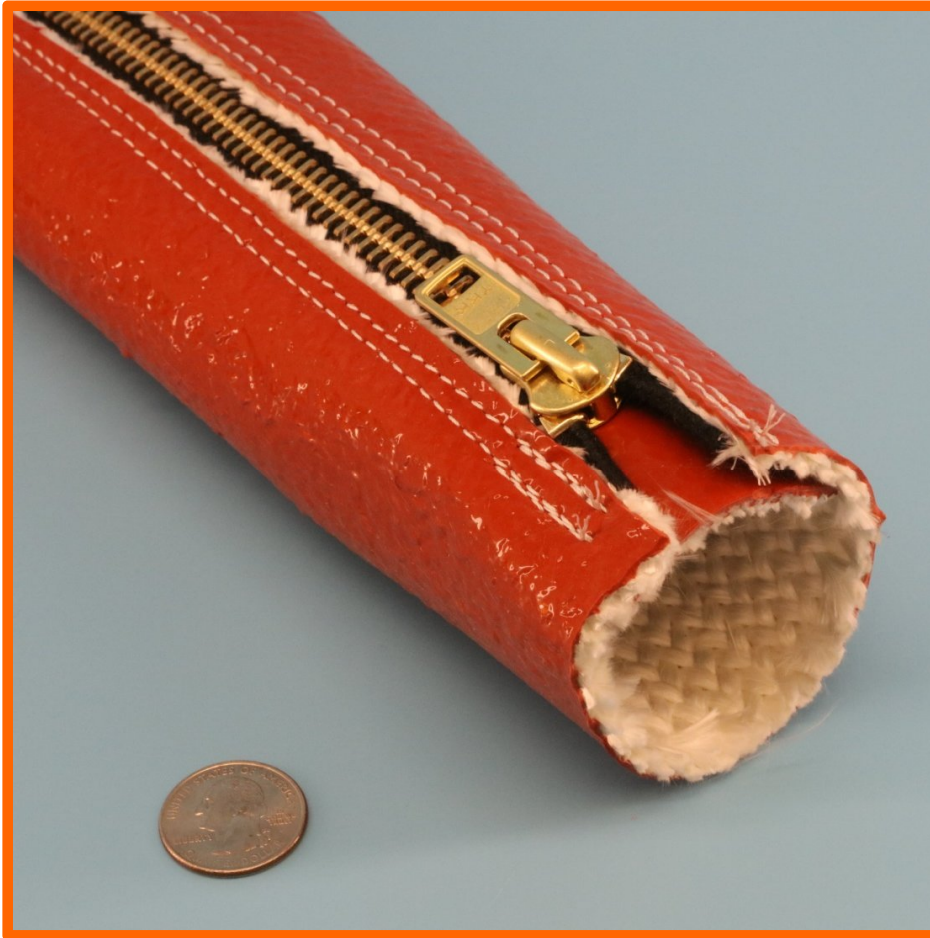


Firesleeve with Metallic Zipper Closure - ZipSleeve™

500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods

High Temperature, Heat, Flame & Fire Resistant Firesleeve

Removable silicone rubber coated fiberglass sleeve with metal zipper provides heavy duty weld splatter & molten splash protection that is removable and retrofit.



This heavy duty silicone rubber coated fiberglass sleeve with high temperature zipper closures protects industrial wire, cable and hose with the benefits of being installed & removed as required.

Typical applications are as robotic welding cable protection, steel mill roll-stand hydraulic hose protection or as a cover in extreme environments where serviceability is required.

The zipper is made from high temperature Nomex® fabric and metal teeth. This is a custom fabrication – please allow 3 to 10 business days from date of order.

The standard maximum length of a zipper is 50 feet / 15 metres. Longer zippers of up to 150 feet / 45 metres are possible, but will incur minimum order quantities. 500°F / 260°C continuous rating with weld splatter / molten metal splash protection.

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

The sleeve has a special flap under the zipper to ensure the full protection of the cable or hose underneath.

For aviation and other critical applications, metal clamps secured at regular short intervals can be used to secure the sleeve in place in case of zipper failure due to a concentrated or prolonged heat or flame event.

Custom ZipSleeve™ can also be fabricated with a flap covering the zipper - sewn on one side and with a hook and loop closure on the other side of the flap.

**500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

Firesleeve with Metallic Zipper Closure (Continued)
500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods
High Temperature, Heat, Flame & Fire Resistant Firesleeve



ZipSleeve™ Firesleeve					
Heavy Duty Removable Molten Splash Protection Sleeve					
Nominal ID inches / mm / Dash #			Part Number	Price Per Foot	Price Per Metre
1	25	-16	S-FS-ZC-M025-16	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FS-ZC-M032-20	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FS-ZC-M038-24	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FS-ZC-M044-28	\$ 26.77	\$ 87.81
2	51	-32	S-FS-ZC-M051-32	\$ 29.00	\$ 95.12
2 1/4	57	-36	S-FS-ZC-M057-36	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FS-ZC-M064-40	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FS-ZC-M070-44	\$ 35.80	\$ 117.42
3	76	-48	S-FS-ZC-M076-48	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FS-ZC-M083-52	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FS-ZC-M089-56	\$ 42.29	\$ 138.71
3 3/4	95	-60	S-FS-ZC-M095-60	\$ 44.51	\$ 145.99
4	102	-64	S-FS-ZC-M102-64	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FS-ZC-M108-68	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FS-ZC-M114-72	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FS-ZC-M121-76	\$ 55.17	\$ 180.96
5	127	-80	S-FS-ZC-M127-80	\$ 57.54	\$ 188.73
5 1/4	133	-84	S-FS-ZC-M133-84	\$ 59.37	\$ 194.73
5 1/2	140	-88	S-FS-ZC-M140-88	\$ 61.66	\$ 202.25
5 3/4	146	-92	S-FS-ZC-M146-92	\$ 63.94	\$ 209.72
6	152	-96	S-FS-ZC-M152-96	\$ 66.11	\$ 216.84
6 1/4	159	-100	S-FS-ZC-M159-100	\$ 68.51	\$ 224.71
6 1/2	165	-104	S-FS-ZC-M165-104	\$ 70.74	\$ 232.03
6 3/4	171	-108	S-FS-ZC-M171-108	\$ 72.74	\$ 238.59
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7 1/4	184	-116	S-FS-ZC-M184-116	\$ 76.97	\$ 252.46
7 1/2	191	-120	S-FS-ZC-M191-120	\$ 79.54	\$ 260.89
7 3/4	197	-124	S-FS-ZC-M197-124	\$ 81.77	\$ 268.21
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9	229	-144	S-FS-ZC-M229-144	\$ 92.57	\$ 303.63

This Product is Available By-The-Foot / Metre