



## Fire sleeve - F88 SC

The extruded fire sleeve with silicone coating, high resistance and material density. Available in the standard colour red, but also in other colour coding.

### Certifications

DIN EN 45545-2:2013-08-R22/R23-HL3  
ISO 15540:2016  
Type Approval DNV-GL  
certified to IP54 protection class\*

### Technical data

<b>Backing material</b>	ISO 2078 mineral fibre
<b>Coating</b>	Silicone - ISO 1629 MVQ/VMQ
<b>Temperature Range</b>	Continuous temperature: -60 to +300 °C Short-term with fire exposure up to 1200 °C Short-term partial overheating up to 1600 °C
<b>Technical values</b>	Wall thickness: 3,5 - 4,0 mm Weight: 4,9 kg/m <sup>2</sup>
<b>Available sizes</b>	Available lengths 25 m, standard DN65 and over, 5 m

### Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

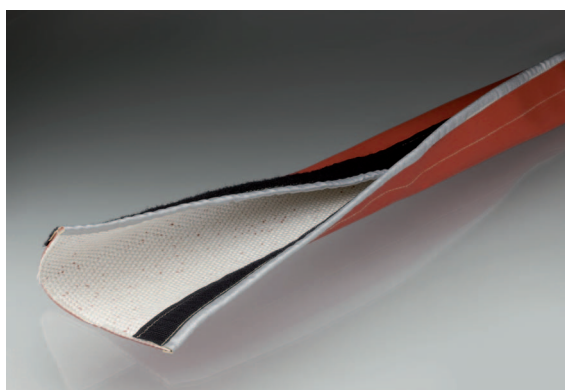
\*in combination with original SB-IT fittings;  
on request

### Product details

DN	product number	approx. weight g/m
12	4488 8 012	190
15	4488 8 015	220
20	4488 8 020	300
25	4488 8 025	360
30	4488 8 030	420
35	4488 8 035	480
40	4488 8 040	550
45	4488 8 045	600
50	4488 8 050	640

DN	product number	approx. weight g/m
55	4488 8 055	750
60	4488 8 060	820
65	4488 8 065	1330
70	4488 8 070	1425
75	4488 8 075	1540
80	4488 8 080	1630
85	4488 8 085	1695
90	4488 8 090	1750
100	4488 8 100	2070





## Fire sleeve - F88 SC · Model KV

Silicone-coated fire sleeve with Velcro fastener for subsequent assembly.

**Certifications** DIN EN 45545-2:2020 R22/R23-HL3

### Technical data

<b>Source material</b>	Fire sleeve F88 SC
<b>Fastening</b>	Velcro fastener flame retardant, DIN 75200 / ISO 3795
<b>Technical values</b>	Velcro fastener width to DN90 = 30 mm; from DN100 = 38 mm Kevlar® strips type KV290 as edge protection
<b>Available sizes</b>	Available lengths on demand, maximum 25 m not a stock item; delivery time after consultation

### Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant
- Puncture strength DIN EN 60684 >10kv

### Product details

DN	product number	approx. weight g/m
30	4499 8 030	520
40	4499 8 040	615
50	4499 8 050	715
60	4499 8 060	810
70	4499 8 070	930
80	4499 8 080	1040
90	4499 8 090	1135
100	4499 8 100	1230
110	4499 8 110	1330
120	4499 8 120	1440

DN	product number	approx. weight g/m
130	4499 8 130	1550
140	4499 8 140	1630
150	4499 8 150	1750
160	4499 8 160	1850
170	4499 8 170	1945
180	4499 8 180	2045
190	4499 8 190	2160
200	4499 8 200	2270
220	4499 8 220	2460
250	4499 8 250	2755





## Fire sleeve - F88 SC · Model KK

Silicone-coated fire sleeve with spherical head fastener for subsequent assembly.

### Technical data

**Source material**  
**Fastening**

Fire sleeve F88 SC  
Spherical head made of brass, nickel-plated  
dimensions 20 mm diameter, height 10 mm  
Distance between spherical heads: 100 mm

**Technical values**

Kevlar® strips type KV290 to prevent thermal bridges on metal fasteners

**Available sizes**

Available lengths on demand, maximal 25 m  
not a stock item;  
Delivery time after consultation

**Key characteristics**

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

### Product details

DN	product number	approx. weight g/m
30	4499 8 630	520
40	4499 8 605	675
50	4499 8 607	775
60	4499 8 609	870
70	4499 8 611	990
80	4499 8 613	1100
90	4499 8 615	1195
100	4499 8 617	1290
110	4499 8 619	1390
120	4499 8 621	1500

DN	product number	approx. weight g/m
130	4499 8 623	1610
140	4499 8 625	1690
150	4499 8 627	1810
160	4499 8 629	1910
170	4499 8 631	2005
180	4499 8 633	1205
190	4499 8 635	2220
200	4499 8 637	2330
220	4499 8 639	2520
250	4499 8 641	2815

Status as of 05/2023 · Technical changes in the course of development reserved.





## Fire sleeve - F88 SC · Model DV

Silicone-coated fire sleeve with hook-and-loop fastener for subsequent assembly.

### Technical data

**Source material**  
**Fastening**

Fire sleeve F88 SC  
Hook-and-loop fastener made of stainless steel or brass, nickel-plated  
Dimensions 22 x 13 mm, height 16 mm  
Distance between hook-and-loop fasteners: 100 mm

**Key characteristics**

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

**Technical values**

Kevlar® strips type KV290 to prevent thermal bridges on metal fasteners as well as edge protection

**Available sizes**

Available lengths on demand, maximum 25 m  
not a stock item; delivery time after consultation

### Product details

DN	product number	approx. weight g/m	DN	product number	approx. weight g/m
30	4499 7 030	640	130	4499 7 130	1670
40	4499 7 040	740	140	4499 7 140	1750
50	4499 7 050	840	150	4499 7 150	1870
60	4499 7 060	940	160	4499 7 160	1970
70	4499 7 070	1045	170	4499 7 170	2070
80	4499 7 080	1160	180	4499 7 180	2065
90	4499 7 090	1255	190	4499 7 190	2270
100	4499 7 100	1350	200	4499 7 200	2370
110	4499 7 110	1450	220	4499 7 220	2590
120	4499 7 120	1560	250	4499 7 250	2880

Status as of 05/2023 · Technical changes in the course of development reserved.





## Fire sleeve - F88 SC · Model DK

Silicone-coated fire sleeve with snap fastener for subsequent assembly.

### Technical data

**Source material**  
**Fastening**

Fire sleeve F88 SC  
Snap fastener made of brass, nickel-plated  
dimensions 15 mm diameter, height 3 mm  
distance between hook-and-loop fasteners: 80 mm

**Key characteristics**

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

**Technical values**

Kevlar® strips type KV290 to prevent thermal bridges on metal fasteners as well as edge protection

**Available sizes**

Available lengths on demand, maximum 25 m  
not a stock item; delivery time after consultation

### Product details

DN	product number	approx. weight g/m
30	4499 9 030	580
40	4499 9 040	675
50	4499 9 050	775
60	4499 9 060	870
70	4499 9 070	990
80	4499 9 080	1100
90	4499 9 090	1195
100	4499 9 100	1290
110	4499 9 110	1390
120	4499 9 120	1500

DN	product number	approx. weight g/m
130	4499 9 130	1610
140	4499 9 140	1690
150	4499 9 150	1810
160	4499 9 160	1910
170	4499 9 170	2005
180	4499 9 180	2105
190	4499 9 190	2220
200	4499 9 200	2330
220	4499 9 220	2520
250	4499 9 250	2815

Status as of 05/2023 · Technical changes in the course of development reserved.





## Fire sleeve - F88 SC Flex

The extruded and flexible fire sleeve with silicone coating for easy installation.

### Technische Daten

<b>Backing material</b>	ISO 2078 mineral fibre
<b>Coating</b>	Silicone - ISO 1629 MVQ/VMQ
<b>Temperature Range</b>	Continuous temperature: -60 to +300 °C Short-term with fire exposure up to 1200 °C Short-term partial overheating up to 1600 °C
<b>Technical values</b>	Wall thickness: 3,0 - 3,5 mm, Weight: 4,5 kg/m <sup>2</sup>
<b>Available sizes</b>	Available lengths 25 m; 50 m on request

### Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

### Product details

DN	product number	approx. weight g/m
<b>5-7</b>	44688005	140
<b>8-10</b>	44688008	150
<b>11-13</b>	44688011	190
<b>14-16</b>	44688014	220
<b>17-19</b>	44688017	270
<b>20-22</b>	44688020	360

DN	product number	approx. weight g/m
<b>23-25</b>	44688023	370
<b>26-30</b>	44688026	440
<b>30-32</b>	44688030	480
<b>35-37</b>	44688035	530
<b>40-42</b>	44688040	590
<b>45-47</b>	44688045	660







## Fire sleeve - F88 VIGOSIL

The cost-effective, round-dipped fire sleeve with silicone coating.

**Certifications**      DIN EN 45545-2:2020 R22/R23-HL3  
ISO 15540:2016

### Technical data

**Backing material**      ISO 2078 mineral fibre, Woven fabric up to DN40,  
knitted fabric up to DN110

**Coating**                Silicone - ISO 1629/LSR

**Temperature Range**    Continuous temperature: -60 to +300 °C  
Short-term with fire exposure up to 1200 °C  
Short-term partial overheating up to 1600 °C

**Technical values**      Wall thickness: 3,0 - 4,0 mm  
Weight: 4,5 kg/m<sup>2</sup>

**Available sizes**        Available lengths 40 m up to DN40,  
25 m up to DN110

### Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

### Product details

DN	product number	approx. weight g/m
6	4448 8 006	204
8	4448 8 008	228
10	4448 8 010	249
13	4448 8 013	262
15	4448 8 015	281
20	4448 8 020	304
22	4448 8 022	321
25	4448 8 025	342
30	4448 8 030	394
32	4448 8 032	416
35	4448 8 035	436
38	4448 8 038	450

DN	product number	approx. weight g/m
40	4448 8 040	461
44	4448 8 044	492
50	4448 8 050	438
57	4448 8 057	581
60	4448 8 060	610
65	4448 8 065	740
70	4448 8 070	800
75	4448 8 075	895
80	4448 8 080	1215
90	4448 8 090	1367
100	4448 8 100	1418
110	4448 8 110	1588





## Strips and Pads F88 SC

Strips and pads cut to measure with a width of up to 950 mm and a length of up to 50 m are available. Fire sleeves can be connected to the fittings on hoses or cables by wrapping thin self-welding silicone tape several times around the sleeves. Besides being wrapped around several times, care should be taken that the ends overlap adequately and well.

### Technical data · Strips

<b>Backing material</b>	ISO 2078 mineral fibre
<b>Coating</b>	Silicone - ISO 1629 MVQ/VMQ
<b>Temperature range</b>	Continuous temperature: -60 bis +300 °C Short-term with fire exposure up to 1200 °C Short-term partial overheating up to 1600 °C
<b>Technical values</b>	Wall thickness: 3,5 - 4,0 mm Weight: 4,9 kg/m <sup>2</sup> REACH konform

### Product details

Strips and Pads		
width	product number	approx. weight g/m
20	4499 0 020	140
30	4499 0 030	165
40	4499 0 040	198
50	4499 0 050	245
60	4499 0 060	314
70	4499 0 070	372
80	4499 0 080	438
90	4499 0 090	502
100	4499 0 100	585

Connections · self-welding		
width	product number	weight in g per 15 m roll
25	4490 0 025	255

Status as of 05/2023 · Technical changes in the course of development reserved.







## Screw fittings for fire sleeve F88 SC and F88 SC Flex

Hose systems are an important installation and organisation criteria for bundling individual cables. The use of fire sleeves makes this system flame-resistant according to existing standards and guarantees a high retention of function in the event of a fire. The fittings are absolutely watertight in the force-fit connection to the hose. We assemble the required hose line after provision of the cables, which we are also happy to do in our own workshop if you so require.

### Technical data

**Connections** metric thread according to  
EN 60423 or PG DIN 40430

**Certifications** Certified to IP54 protection class\*  
EN 60529:1991

\*in combination with F88 SC; on request.

### Product details · F88 SC

DN	thread EN 60423	product number fitting	smallest internal diameter mm	SW 1 · SW 2 mm	for F88 SC product number
10	M 16 x 1,5	44405 3 410	11,5	23/25	4488 8 010
15	M 20 x 1,5	44405 3 415	16,0	27/29	4488 8 015
20	M 25 x 1,5	44405 3 420	21,0	34/36	4488 8 020
30	M 32 x 1,5	44405 3 425	27,5	43/45	4488 8 030
40	M 40 x 1,5	44405 3 440	35,0	52/54	4488 8 040
50	M 50 x 1,5	44405 3 450	45,0	63/66	4488 8 050

### Product details · F88 SC Flex

DN	thread EN 60423	product number fitting	smallest internal diameter mm	SW 1 · SW 2 mm	for F88 SC product number
10	M 16 x 1,5	44405 3 410	11,5	23/25	4488 8 010
15	M 20 x 1,5	44405 3 415	16,0	27/29	4488 8 015
20	M 25 x 1,5	44405 3 420	21,0	34/36	4488 8 020
30	M 32 x 1,5	44405 3 425	27,5	43/45	4488 8 030
40	M 40 x 1,5	44405 3 440	35,0	52/54	4488 8 040
50	M 50 x 1,5	44405 3 450	45,0	63/66	4488 8 050

Tolerances of the coating thickness may cause increased assembly expenditure.





## Feuerschutzschlauch - Typ F88 Basalt *eco*

The fire sleeve type F88 Basalt eco made of braided basalt fibres was developed for extremely heat-exposed workplaces, e.g. induction furnaces.

Carrier material is an environmentally compatible basalt fibre knit with high temperature resistance (up to +700°C). The basalt fibre is extracted from a natural rock and produced in an environmentally friendly production process with low CO<sub>2</sub> emissions into the atmosphere.

### Technical data

**Carrier Material** Braided basalt fiber

**Coating** Silicone

**Temperature Range** Continuous temperature: -50°C to +260°C  
Short-term heat resistance up to bis +300°C  
Good protection against short-term partial overheating, like metal splash (up to 1600°C)  
Good protection against short-term exposure to flame (up to 1200°C)

### Product details

DN	product number	Innen-Ø mm
6	4488 1 006	6,00
10	4488 1 010	10,00
12	4488 1 012	12,00
15	4488 1 015	15,00
20	4488 1 020	20,00
25	4488 1 025	25,00
30	4488 1 030	30,00
35	4488 1 035	35,00
40	4488 1 040	40,00

DN	Artikelnummer	Innen-Ø mm
50	4488 1 050	50,00
55	4488 1 055	55,00
60	4488 1 060	60,00
65	4488 1 065	65,00
70	4488 1 070	70,00
75	4488 1 075	75,00
80	4488 1 080	80,00
100	4488 1 0100	100,00





## Pyrotexx® IS - Fire Sleeve

Pyrotexx® fire sleeve is used to protect employees from burns due to hot hoses or pipes, while reducing costly heat energy losses. It provides excellent resistance to intense radiant heat, sparks, molten metal splashes and occasional flame.

### Technical Data

<b>Carrier material</b>	Braided glass fiber
<b>Coating</b>	Silicone
<b>Temperature Range</b>	-60°C up to +260°C short term exposure up to 1.100°C max. short term exposure: 1.600°C
<b>Properties</b>	Very good flexibility Water and oil resistant

### Fields of application

- Metallurgy
- Incineration plants
- Steam and oil lines
- Injection molding machines
- Drawing presses

### Product details

DN	product number	roll length m
6	4470 0 006	20
8	4470 0 008	20
10	4470 0 010	20
13	4470 0 013	20
15	4470 0 015	20
19	4470 0 019	20
25	4470 0 025	20
30	4470 0 030	20
32	4470 0 032	20
35	4470 0 035	20
40	4470 0 040	20
45	4470 0 045	20
50	4470 0 050	20

DN	product number	roll length m
57	4470 0 057	20
60	4470 0 060	20
64	4470 0 064	20
70	4470 0 070	20
76	4470 0 076	20
80	4470 0 080	15
85	4470 0 085	15
90	4470 0 090	15
95	4470 0 095	15
100	4470 0 100	15
110	4470 0 110	10
125	4470 0 125	10

