

INSULATION SLEEVES

Soft PVC insulation sleeve to DIN 40 621

Temperature resistance: -20°C to +90°C

Deliverable colours and colour keys:
black 01, white 02, blue 03, yellow 04, red 05, transparent 06, green 07,
orange 08, brown 09, violet 10, grey 11

For orders please amend the Art. No. with the corresponding
colour key, e.g. insulating hose 4 mm orange = Art. No. 59.00708

Minimum production length per dimension and colour 2,000 m.



Art. No.	Inside Ø	Outside Ø	Wall thickness
59.000	0,5	1,3	0,40
59.001	1	1,8	0,40
59.002	1,5	2,3	0,40
59.003	2	2,8	0,40
59.004	2,5	3,3	0,40
59.005	3	3,8	0,40
59.006	3,5	4,3	0,40
59.007	4	5	0,50
59.009	5	6,1	0,52
59.010	6	7,1	0,55
59.011	7	8,2	0,60
59.012	8	9,3	0,62
59.013	9	10,3	0,67
59.014	10	11,4	0,70
59.015	12	13,5	0,75
59.016	14	15,6	0,80
59.017	16	17,6	0,80
59.018	18	19,6	0,80
59.019	20	21,6	0,80
59.020	22	24	1,0
59.021	24	26	1,0
59.022	26	28	1,0
59.023	28	30	1,0
59.024	30	32	1,0
59.025	32	34	1,0
59.026	34	36	1,0
59.027	36	40	1,0
59.028	40	42	1,0

Polyolefin insulation sleeve on rolls

The halogen-free polyolefin insulation sleeve is an environmentally friendly flame retardant insulating hose.

It is free of environmentally dangerous substances such as PBB and PBDE.

It contains neither eight heavy metals nor four halogens.

Material: crosslinked, heat-stabilized, flame retardant polyolefin.

Temperature resistance: -45°C to +125°C

Colour: black, further colours on request

UL - approval applied for.

Technical Data:

		Test procedure	Results
Physical properties	Tensile strength (MPa)	ASTM D2671	> 10,4
	Elongation (%)	ASTM D2671	> 200
Electrical properties	Dielectric strength (kV/mm)	GB/T 1408	> 15
	Volume resistivity $\Omega \times \text{cm}$	ASTM D876	> 1×10^{14}
Chemical properties	Water absorption	ASTM D570	< 0,5%
	Copper stability	UL 224	passed
	Flammability	UL 224	self-extinguishing

Art. No.	Size	Inside \emptyset	Wall thickness	Pack/m
59.100	AWG 18	1,0	0,40	200
59.101	AWG 16	1,3	0,40	200
59.102	AWG 14	1,65	0,40	200
59.103	AWG 12	2,1	0,40	200
59.104	AWG 10	2,6	0,50	200
59.105	AWG 8	3,3	0,50	200
59.106	AWG 6	4,1	0,50	100
59.107	AWG 4	5,2	0,50	100
59.108	AWG 2	6,5	0,50	100
59.109	AWG 0	8,3	0,50	100
59.110	3 / 8 "	9,5	0,50	100
59.111	7 / 16 "	11,1	0,50	100
59.112	1 / 2 "	12,7	0,50	100



INSULATION SLEEVES

Silicon insulation sleeve

High-temperature resistant, flexible, foodstuffs pure.

Temperature resistance: -60°C to +200°C.

Colours: transparent, red, blue, white, grey, green, and black

Deliverable wall thicknesses:

0,5 mm for Dielectric withstand 25 KV/mm to size 6,5

1,0 mm for Dielectric withstand 40 KV/mm to size 13,0

1,5 mm for Dielectric withstand 60 KV/mm to size 15,0

2,0 mm for Dielectric withstand 70 KV/mm to size 20,0

The article numbers are made up of the desired size

Dielectric withstand and the colour

Example: Size 5.0 / 40 KV in red = 59.209.40.RED



Art. No.	Inside Ø	Wall thicknesses	Pack/m
59.200	0,8	0,5/1,0/1,5/2,0	200
59.201	1,0	0,5/1,0/1,5/2,0	200
59.202	1,5	0,5/1,0/1,5/2,0	200
59.203	2,0	0,5/1,0/1,5/2,0	100
59.204	2,5	0,5/1,0/1,5/2,0	100
59.205	3,0	0,5/1,0/1,5/2,0	100
59.206	3,5	0,5/1,0/1,5/2,0	100
59.207	4,0	0,5/1,0/1,5/2,0	100
59.208	4,5	0,5/1,0/1,5/2,0	100
59.209	5,0	0,5/1,0/1,5/2,0	50
59.210	5,5	0,5/1,0/1,5/2,0	50
59.211	6,0	0,5/1,0/1,5/2,0	50
59.212	6,5	0,5/1,0/1,5/2,0	50
59.213	7,0	1,0/1,5/2,0	50
59.214	7,5	1,0/1,5/2,0	50
59.215	8,0	1,0/1,5/2,0	50
59.216	9,0	1,0/1,5/2,0	50
59.217	10,0	1,0/1,5/2,0	50
59.218	11,0	1,0/1,5/2,0	50
59.219	12,0	1,0/1,5/2,0	50
59.220	13,0	1,0/1,5/2,0	50
59.221	14,0	1,5/2,0	50
59.222	15,0	1,5/2,0	25
59.223	20,0	2,0	10

Silicon glass filament insulation sleeve

High-temperature resistant, flexible

Structure: inside silicon, outside glass fibre weave

Temperature resistance: -60°C to +200°C

Colour: white

Art. No.	Inside Ø	Wall thicknesses min./max.	Pack/m
59.250	1,0	0,6/0,8	200
59.251	2,0	0,6/0,8	200
59.252	3,0	0,8/1,0	100
59.253	4,0	0,8/1,0	100
59.254	5,0	0,8/1,0	100
59.255	6,0	1,0/1,2	100
59.256	7,0	1,0/1,2	50
59.257	8,0	1,0/1,2	50
59.258	9,0	1,2/1,5	50
59.259	10,0	1,2/1,5	50



INSULATION SLEEVES

Teflon insulation sleeve

High temperature resistance, resistant to chemicals,
high dielectric withstand (45 KV/mm)

Temperature resistance: -80°C to +260°C

Colour: transparent

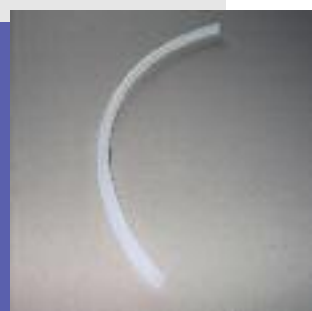
All sizes can be supplied in 3 different outside diameters;

Small (S), Large (L) and X-Large (XL)

The article numbers are made up of the desired size and the
desired outside diameter.

Example:

Size AWG 10 with outside diameter X-Large = Art. No. 59.417.XL



Art. No.	Size	Inside Ø	Outside Ø/ Wall thickness	Outside Ø/ Wall thickness	Outside Ø/ Wall thickness	Pack/m
			Small (S)	Large (L)	X-Large (XL)	
59.400	AWG 30	0,30	0,60/0,30	0,70/0,40	0,80/0,50	305
59.401	AWG 28	0,38	0,68/0,30	0,78/0,40	0,88/0,50	305
59.402	AWG 26	0,46	0,76/0,30	0,86/0,40	0,96/0,50	305
59.403	AWG 24	0,56	0,86/0,30	1,06/0,50	1,16/0,60	305
59.404	AWG 23	0,66	0,96/0,30	1,16/0,50	1,26/0,60	305
59.405	AWG 22	0,71	1,01/0,30	1,21/0,50	1,31/0,60	305
59.406	AWG 21	0,81	1,11/0,30	1,31/0,50	1,41/0,60	305
59.407	AWG 20	0,86	1,16/0,30	1,46/0,60	1,66/0,80	305
59.408	AWG 19	0,96	1,26/0,30	1,56/0,60	1,76/0,80	200
59.409	AWG 18	1,07	1,37/0,30	1,67/0,60	1,87/0,80	200
59.410	AWG 17	1,19	1,49/0,30	1,79/0,60	1,99/0,80	200
59.411	AWG 16	1,34	1,64/0,30	1,94/0,60	2,14/0,80	153
59.412	AWG 15	1,50	1,80/0,30	2,10/0,60	2,30/0,80	153
59.413	AWG 14	1,68	2,08/0,40	2,28/0,60	2,48/0,80	100
59.414	AWG 13	1,93	2,33/0,40	2,53/0,60	2,73/0,80	100
59.415	AWG 12	2,16	2,56/0,40	2,76/0,60	2,96/0,80	100
59.416	AWG 11	2,41	2,81/0,40	3,01/0,60	3,21/0,80	100
59.417	AWG 10	2,69	3,09/0,40	3,29/0,60	3,49/0,80	100
59.418	AWG 9	3,00	3,40/0,40	3,80/0,80	4,00/1,00	100
59.419	AWG 8	3,38	3,78/0,40	4,18/0,80	4,38/1,00	100
59.420	AWG 7	3,76	4,16/0,40	4,56/0,80	4,76/1,00	100
59.421	AWG 6	4,22	4,82/0,60	5,02/0,80	5,22/1,00	100
59.422	AWG 5	4,72	5,32/0,60	5,52/0,80	5,72/1,00	50
59.423	AWG 4	5,28	5,88/0,60	6,08/0,80	6,28/1,00	1
59.424	AWG 3	5,94	6,54/0,60	6,74/0,80	6,94/1,00	1
59.425	AWG 2	6,68	7,28/0,60	7,48/0,80	7,68/1,00	1
59.426	AWG 1	7,46	8,06/0,60	8,26/0,80	8,46/1,00	1
59.427	AWG 0	8,38	8,98/0,60	9,18/0,80	9,38/1,00	1