



A 1

Neoprene and silicone sleeves





SES HELAVIA and SILAVIA sleeves support and insulate the ends of electric cables. SES sleeves can be used in conjunction with SES coloured or printed markers.

SES sleeves help to protect from dirt deposits, corrosion and abrasion. SES sleeves can be used as protectors. Thanks to SES sleeves the cabling is ergonomic.

Page

- A1/1 HELAVIA standard sleeves in polychloroprene rubber
black and coloured
- HELAVIA sleeves British norm in polychloroprene rubber
black and colours



- A1/2 HELAVIA sleeves in special lengths in polychloroprene rubber
black



- A1/3 SILAVIA standard sleeves in silicone rubber for high temperatures
natural, transparent and colours



- A1/4 Lubricant for HELAVIA and SILAVIA sleeves



- A1/90 Sleeve expander
The sleeve expander of the last generation have been designed with a view to ease of use and confort, particularly for the female workforce. The ergonomic aspect, a robust construction with modern, appropriate materials and finish are very important points.



HELAVIA® standard sleeves
in polychloroprene rubber
for SES® sleeve process

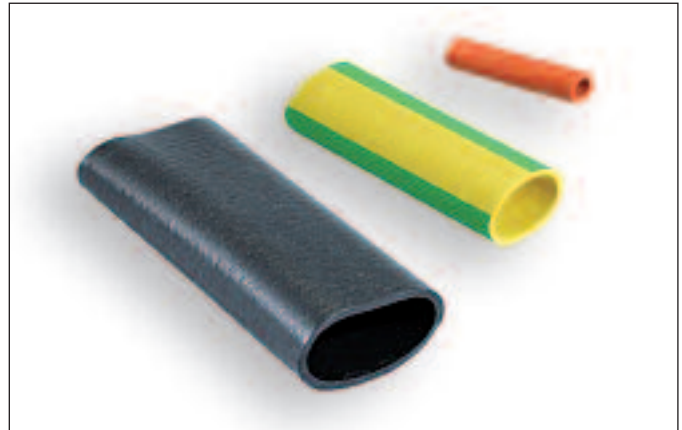


HELAVIA®




HELAVIA

Material:	polychloroprene rubber quality 3490
Operating temperature:	-30 to +90°C (+110°C short time)
Hardness shore A :	40 ±5
Tensile strength at break:	>6,5 MPa
Ultimate elongation:	>500 %
Tear strength:	>10 kN/m
Dielectric strength:	>13 kV/mm
Volume resistivity:	4x10 ⁹ Ω.cm
Flame resistance:	V0 UL94
Lubricated sleeves :	until type A4



Standard colour: **010**
black



type	article number	for wires Ø (mm)	length mm	Ø int. mm	wall thickness mm	
A0-M	0201 0071 010					1000
A0-C	0201 0001 010	1,25 - 2,0	20	1,25	0,5	100
A1-M	0201 0072 010					1000
A1-C	0201 0002 010	1,75 - 3,5	20	1,75	0,5	100
A1bis-M	0201 0073 010					1000
A1bis-C	0201 0003 010	2,4 - 4,5	20	2,4	0,6	100
A1K*-M	0201 0081 010					1000
A1K*-C	0201 0011 010	2,5 - 5,5	25	2,5	0,9	100
A2-M	0201 0074 010					1000
A2-C	0201 0004 010	3,0 - 6,0	25	3,0	0,6	100
A2K*-M	0201 0082 010					1000
A2K*-C	0201 0012 010	4,0 - 8,0	30	4,0	1,2	100
A3-M	0201 0075 010					1000
A3-C	0201 0005 010	5,0 - 9,0	25	5,0	0,7	100
A4-M	0201 0076 010					1000
A4-C	0201 0006 010	7,5 - 12,0	30	7,5	0,8	100
A5-D	0201 0077 010					500
A5-C	0201 0007 010	10,0 - 15,0	35	10,0	0,9	100
A8-D	0201 0078 010					500
A8-C	0201 0008 010	12,0 - 20,0	50	12,0	1,2	100
A9-D	0201 0079 010					500
A9-C	0201 0009 010	14,0 - 23,0	50	14,0	1,3	100
A10-D	0201 0080 010					500
A10-C	0201 0010 010	17,0 - 28,0	50	17,0	1,3	100



* thick-walled sleeves.

HELAVIA® standard sleeves in polychloroprene rubber for SES® sleeve process



HELAVIA®



Standard colours:

001	002	003	004	005	006	007	008	013	015	020
white	blue	green	yellow	orange	brown	red	purple	grey	pink	light blue

Example for order:

code group	detail article	code colours
02010	XXXX	XXXX

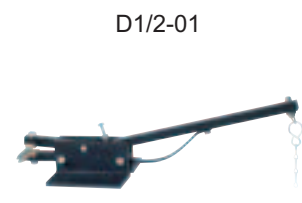
type	article number	for wires Ø (mm)	length mm	Ø int. mm	wall mm	
A0-FM COUL.	0201 0071 ***					1000
A0-FC COUL.	0201 0001 ***	1,25 - 2,0	20	1,25	0,5	100
A1-FM COUL.	0201 0072 ***					1000
A1-FC COUL.	0201 0002 ***	1,75 - 3,5	20	1,75	0,5	100
A1bis-FM COUL.	0201 0073 ***					1000
A1bis-FC COUL.	0201 0003 ***	2,4 - 4,5	20	2,4	0,6	100
A1K*-FM COUL.	0201 0081 ***					1000
A1K*-FC COUL.	0201 0011 ***	2,5 - 5,5	25	2,5	0,9	100
A2-FM COUL.	0201 0074 ***					1000
A2-FC COUL.	0201 0004 ***	3,0 - 6,0	25	3,0	0,6	100
A2K*-FM COUL.	0201 0082 ***					1000
A2K*-FC COUL.	0201 0012 ***	4,0 - 8,0	30	4,0	1,2	100
A3-FM COUL.	0201 0075 ***					1000
A3-FC COUL.	0201 0005 ***	5,0 - 9,0	25	5,0	0,7	100
A4-FM COUL.	0201 0076 ***					1000
A4-FC COUL.	0201 0006 ***	7,5 - 12,0	30	7,5	0,8	100
A5-FD COUL.	0201 0077 ***					500
A5-FC COUL.	0201 0007 ***	10,0 - 15,0	35	10,0	0,9	100
A8-FD COUL.	0201 0078 ***					500
A8-FC COUL.	0201 0008 ***	12,0 - 20,0	50	12,0	1,2	100
A9-FD COUL.	0201 0079 ***					500
A9-FC COUL.	0201 0009 ***	14,0 - 23,0	50	14,0	1,3	100
A10-FD COUL.	0201 0080 ***					500
A10-FC COUL.	0201 0010 ***	17,0 - 28,0	50	17,0	1,3	100

* thick-walled sleeves.



Standard colour: 060 yellow/green

A0-C BICOL	0201 0001 060	1,25 - 2,0	20	1,25	0,5	100
A1-C BICOL	0201 0002 060	1,75 - 3,5	20	1,75	0,5	100
A1bis-C BICOL	0201 0003 060	2,4 - 4,5	20	2,4	0,6	100
A2-C BICOL	0201 0004 060	3,0 - 6,0	25	3,0	0,6	100
A3-C BICOL	0201 0005 060	5,0 - 9,0	25	5,0	0,7	100
A4-C BICOL	0201 0006 060	7,5 - 12,0	30	7,5	0,8	100
A5-C BICOL	0201 0007 060	10,0 - 15,0	35	10,0	0,9	100
A8-C BICOL	0201 0008 060	12,0 - 20,0	50	12,0	1,2	100
A9-C BICOL	0201 0009 060	14,0 - 23,0	50	14,0	1,3	100
A10-C BICOL	0201 0010 060	17,0 - 28,0	50	17,0	1,3	100



HELAVIA® sleeves - British norm in polychloroprene rubber for SES® sleeve process



HELAVIA®



HELAVIA

Material:	polychloroprene rubber quality 3490
Operating temperature:	-30 to +90°C (+110°C short time)
Hardness shore A :	40 ±5
Tensile strength at break:	>6,5 MPa
Ultimate elongation:	>500 %
Tear strength:	>10 kN/m
Dielectric strength:	>13 kV/mm
Volume resistivity:	4x10 ⁹ Ω.cm
Flame resistance:	V0 UL94
Specifications:	British norm BS 3858 type 1C
Lubricated sleeves :	all types



Standard colour: **010**
black

type	article number length 20 mm	article number length 25 mm	for wires Ø (mm)	Ø int. mm	wall mm	
A0a-M	0201 0611 010	0201 0612 010	1,2 - 2,5	1,2	0,75	1000
A0a-C	0201 0601 010	0201 0602 010				100
A0bis-M	0201 0613 010	0201 0614 010	1,5 - 3,0	1,5	0,75	1000
A0bis-C	0201 0603 010	0201 0604 010				100
A1a-M	0201 0615 010	0201 0616 010	2,0 - 4,0	2,0	0,75	1000
A1a-C	0201 0605 010	0201 0606 010				100
A2a-M	0201 0617 010	0201 0618 010	3,0 - 6,0	3,0	0,75	1000
A2a-C	0201 0607 010	0201 0608 010				100
A3a-M	-	0201 0619 010	5,0 - 10,0	5,0	1,0	1000
A3a-C	-	0201 0609 010				100



Standard colours:

001	002	003	004	005	006	007	008	013	015	020
white	blue	green	yellow	orange	brown	red	purple	grey	pink	light blue

Example for order:

code group	detail article	code colours
02010	xxxx	xxxx

type	article number length 20 mm	article number length 25 mm	for wires Ø (mm)	Ø int. mm	wall mm	
A0a-M couleur	0201 0611 ***	0201 0612 ***	1,2 - 2,5	1,2	0,75	1000
A0a-C couleur	0201 0601 ***	0201 0602 ***				100
A0bis-M couleur	0201 0613 ***	0201 0614 ***	1,5 - 3,0	1,5	0,75	1000
A0bis-C couleur	0201 0603 ***	0201 0604 ***				100
A1a-M couleur	0201 0615 ***	0201 0616 ***	2,0 - 4,0	2,0	0,75	1000
A1a-C couleur	0201 0605 ***	0201 0606 ***				100
A2a-M couleur	0201 0617 ***	0201 0618 ***	3,0 - 6,0	3,0	0,75	1000
A2a-C couleur	0201 0607 ***	0201 0608 ***				100
A3a-M couleur	-	0201 0619 ***	5,0 - 10,0	5,0	1,0	1000
A3a-C couleur	-	0201 0609 ***				100



HELAVIA® sleeves in special lengths in polychloroprene rubber for SES® sleeves process



HELAVIA®



HELAVIA

Material:	polychloroprene rubber quality 3490
Operating temperature:	-30 to +90°C (+110°C short time)
Hardness shore A :	40 ±5
Tensile strength at break:	>6,5 MPa
Ultimate elongation:	>500 %
Tear strength:	>10 kN/m
Dielectric strength:	>13 kV/mm
Volume resistivity:	4x10 ⁹ Ω.cm
Flame resistance:	V0 UL94
Lubricated sleeves :	until type A4



Standard colour: 010
black

type	for wires Ø (mm)	wall thickness mm	article number							
			length 10 mm	length 15 mm	length 20 mm	length 25 mm	length 30 mm	length 40 mm	length 50 mm	
A0-SP	1,25 - 2,0	0,5	0201 0101 010	0201 0113 010	0201 0071 010	0201 0134 010	0201 0143 010	0201 0153 010	0201 0165 010	1000
A1-SP	1,75 - 3,5	0,5	0201 0102 010	0201 0114 010	0201 0072 010	0201 0135 010	0201 0144 010	0201 0154 010	0201 0166 010	1000
A1bis-SP	2,4 - 4,5	0,6	0201 0103 010	0201 0115 010	0201 0073 010	0201 0136 010	0201 0145 010	0201 0155 010	0201 0167 010	1000
A1K*-SP	2,5 - 5,5	0,9	0201 0111 010	0201 0123 010	0201 0132 010	0201 0081 010	0201 0152 010	0201 0163 010	0201 0172 010	1000
A2-SP	3,0 - 6,0	0,6	0201 0104 010	0201 0116 010	0201 0125 010	0201 0074 010	0201 0146 010	0201 0156 010	0201 0168 010	1000
A3-SP	5,0 - 9,0	0,7	0201 0105 010	0201 0117 010	0201 0126 010	0201 0075 010	0201 0147 010	0201 0157 010	0201 0169 010	1000
A4-SP	7,5 - 12,0	0,8	0201 0106 010	0201 0118 010	0201 0127 010	0201 0137 010	0201 0076 010	0201 0158 010	0201 0170 010	1000
A5-SP	10,0 - 15,0	0,9	0201 0107 010	0201 0119 010	0201 0128 010	0201 0138 010	0201 0148 010	0201 0159 010	0201 0171 010	500
A8-SP	12,0 - 20,0	1,2	0201 0108 010	0201 0120 010	0201 0129 010	0201 0139 010	0201 0149 010	0201 0160 010	0201 0078 010	500

* thick-walled sleeves.
Other lengths and colours : please consult us.



SILAVIA standard sleeves in silicone rubber for high temperatures for SES® sleeves process



SILAVIA



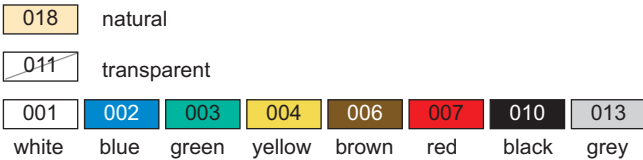
SILAVIA

Material: silicone rubber quality 2412
Operating temperature: -80 to +200°C (+250°C short time)
Hardness shore A: 40 ±5
Tensile strength at break: >7 MPa
Ultimate elongation: >600 %
Tear strength: >20 kN/m
Dielectric strength: 18 kV/mm
Volume resistivity: 10¹⁵ Ω.cm

Lubricated sleeves : until type A4

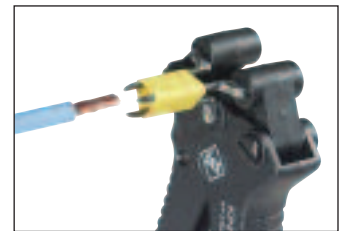


Standard colours:



Example for order:

code group	detail article	code colours
02	050	xxxxxx



type	article number			for wires Ø (mm)	length mm	Ø int. mm	wall thickness mm	
	018 natural	011 transparent	xxx colours					
SILAVIA A0-SC	0205 0001 018	0205 0051 011	0205 0021 ***	1,3 - 1,8	20	1,25	0,5	100
SILAVIA A1-SC	0205 0002 018	0205 0052 011	0205 0022 ***	1,9 - 2,5	20	1,75	0,5	100
SILAVIA A1bis-SC	0205 0003 018	0205 0053 011	0205 0023 ***	2,4 - 3,0	20	2,4	0,6	100
SILAVIA A1K*-SC	0205 0011 018	0205 0061 011	0205 0031 ***	2,5 - 4,0	25	2,5	0,9	100
SILAVIA A2-SC	0205 0004 018	0205 0054 011	0205 0024 ***	3,0 - 4,0	25	3,0	0,6	100
SILAVIA A2K*-SC	0205 0012 018	0205 0062 011	0205 0032 ***	4,0 - 6,0	30	4,0	1,2	100
SILAVIA A3-SC	0205 0005 018	0205 0055 011	0205 0025 ***	5,0 - 7,0	25	5,0	0,7	100
SILAVIA A4-SC	0205 0006 018	0205 0056 011	0205 0026 ***	7,5 - 9,0	30	7,5	0,8	100
SILAVIA A5-SC	0205 0007 018	0205 0057 011	0205 0027 ***	10,0 - 13,0	35	10,0	1,0	100
SILAVIA A8-SC	0205 0008 018	0205 0058 011	0205 0028 ***	13,0 - 16,0	50	12,0	1,2	100
SILAVIA A9-SC	0205 0009 018	0205 0059 011	0205 0029 ***	15,0 - 19,0	50	14,0	1,3	100
SILAVIA A10-SC	0205 0010 018	0205 0060 011	0205 0030 ***	18,0 - 25,0	50	17,0	1,3	100

* thick-walled sleeves.



LUB2

Material: made of vaseline oil
Taste (+25°C): without

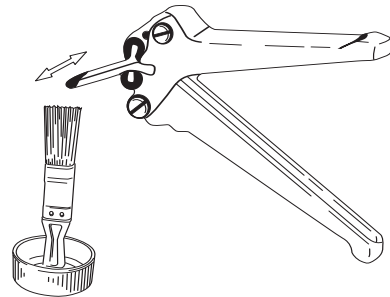
Specifications: special SES-STERLING product for an easier application of HELAVIA and SILAVIA sleeves. It does not affect elastomers and rubbers.

Thanks to its brush in the cap, LUB2 allows the minimum quantity of lubricant necessary to apply sleeves easily from the expander prongs.

It is an odourless, tasteless, vaseline oil-based product that can be used in the proximity of foodstuffs and is not toxic.



type	article number	
LUB2 can of 0,25 L with brush	0707 0001 000	1



In order to use our SES **sleevings and sleeves** efficiently, a series of **expanders and applications aids** are available.

The illustrations below indicate this versatile range.

If you need more details, please see "**TOOLS**" chapter of this catalogue, Group D1.



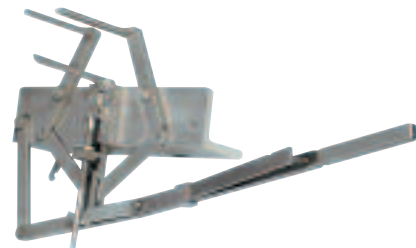
sleeve expanders series KP
D1/1-01



sleeve expanders series KY
D1/1-03



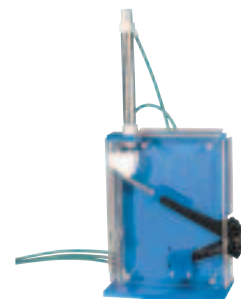
sleeve expanders series KN and KNS
D1/2-01



bench mounted sleeving tool
D1/2-01



bench mounted
sleeving tool with foot pedal
D1/3-01



pneumatically controlled
sleeve expander
D1/3-01