

**SES cable trunking
series GF-DIN GREY
with slots and base punching**



**GF-DIN-A7/5
GF-DIN-A6/4
to standard DIN 43659**

Slots and webs :	slots 5 mm ; webs 7,5 mm
Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour :	grey (GY 013) RAL 7030 NF X 08-002/A290
Material :	PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see following page

GF-DIN-A7/5 trunking

typ	article number	pack	outside dimensions		
			H	W	h1
Height 25 mm					
GF-DIN-A7/5 25x25	0845-0031-013	48 m	23	23	6
Height 37,5 mm					
GF-DIN-A7/5 37,5x25	0845-0041-013	48 m	35,5	23	8
GF-DIN-A7/5 37,5x37,5	0845-0051-013	24 m	35,5	35,5	8
GF-DIN-A7/5 37,5x50	0845-0061-013	24 m	35,5	48	8
Height 50 mm					
GF-DIN-A7/5 50x25	0845-0131-013	48 m	48	23	8
GF-DIN A7/5 50x37,5	0845-0141-013	24 m	48	35,5	8
GF-DIN A7/5 50x50	0845-0151-013	24 m	48	48	8
GF-DIN-A7/5 50x75	0845-0152-013	24 m	48	73	8
GF-DIN-A7/5 50x100	0845-0153-013	12 m	48	98	8
GF-DIN-A7/5 50x125	0845-0154-013	12 m	48	123	8
Height 75 mm					
GF-DIN-A7/5 75x25	0845-0211-013	48 m	73	25	12
GF-DIN-A7/5 75x37,5	0845-0221-013	24 m	73	35,5	12
GF-DIN-A7/5 75x50	0845-0231-013	24 m	73	48	12
GF-DIN-A7/5 75x75	0845-0241-013	24 m	73	73	12
GF-DIN-A7/5 75x100	0845-0251-013	12 m	73	98	12
GF-DIN-A7/5 75x125	0845-0261-013	12 m	73	123	12

For slots, see page C1/1-02

GF-DIN-A6/4 trunking

Height 100 mm					
GF-DIN-A6/4 100x50	0845 0286 013	24 m	100	48	20
GF-DIN-A6/4 100x75	0845 0296 013	12 m	100	73	20

For slots, see page C1/1-02

GF-DIN trunkings are delivered in standard dimensions without double-sided tape at the base.

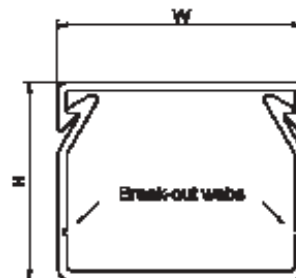
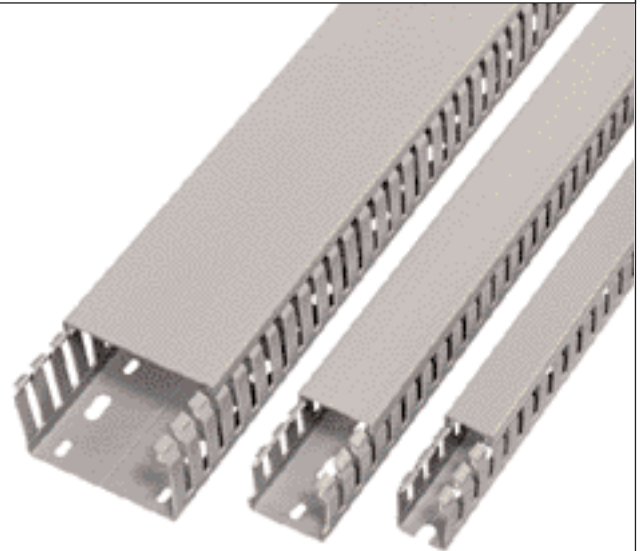
Trunkings fitted with double-sided adhesive tape are separately priced.

For GF-DIN trunkings, widths 25 to 50 mm :
Art. number : 0845 0903 000

For GF-DIN trunkings, widths 75 to 125 mm :
Art. number : 0845 0904 000

The adhesive tape allows temporary fastening before final attachment.

Double-sided adhesive tape can be delivered in rolls of different widths. See page C3/1-4-02



Lids for GF-DIN trunkings
(GF-DIN cable trunkings
are always delivered with lids)



Colour GREY

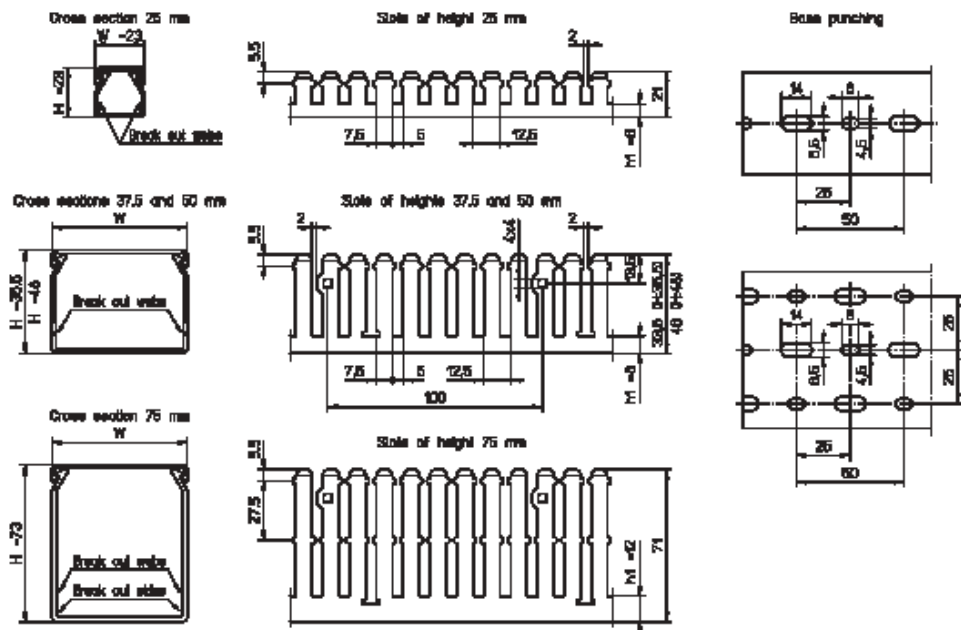
Lids for GF-DIN trunkings

type	article number	pack	for trunkings	
Width 25 mm Lid GF-DIN 25	0845-0640-013	48 m	GF-DIN-A7/5 25x25 GF-DIN-A7/5 50x25	GF-DIN-A7/5 37,5x25 GF-DIN-A7/5 75x25
Width 37,5 mm Lid GF-DIN 37,5	0845-0645-013	24 m	GF-DIN-A7/5 37,5x37,5 GF-DIN-A7/5 75x37,5	GF-DIN-A7/5 50x37,5
Width 50 mm Lid GF-DIN 50	0845-0650-013	24 m	GF-DIN-A7/5 37,5x50 GF-DIN-A7/5 75x50	GF-DIN-A7/5 50x50 GF-DIN-A6/4 100x50
Width 75 mm Lid GF-DIN 75	0845-0655-013	24 m	GF-DIN-A7/5 50x75 GF-DIN-A6/4 100x75	GF-DIN-A7/5 75x75
Width 100 mm Lid GF-DIN 100	0845-0630-013	12 m	GF-DIN-A7/5 50x100	GF-DIN-A7/5 75x100
Width 125 mm Lid GF-DIN 125	0845-0665-013	12 m	GF-DIN-A7/5 50x125	GF-DIN-A7/5 75x125

Technical illustrations : cross-section, side view and base punching

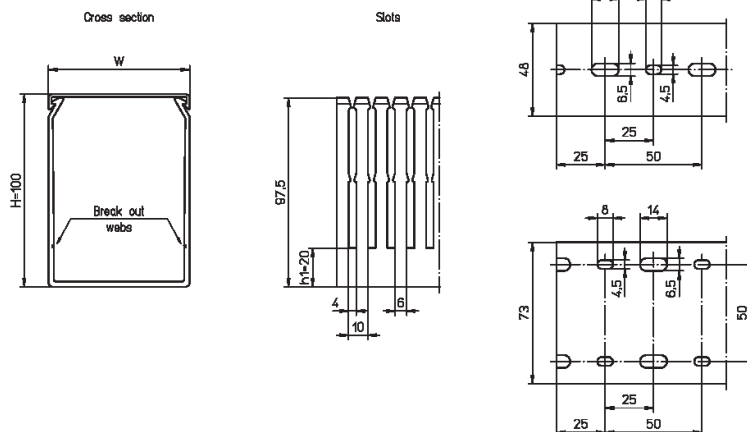
SES TRUNKING
serie GF-DIN-A7/5

Base punching to NF EN 50085 in one line for trunkings with widths 25 - 37,5 and 50 mm, and in three lines for trunkings of widths 75 - 100 and 125 mm (distance between lines : 25 mm)



SES TRUNKING
serie GF-DIN-A6/4

Base punching to DIN 43659 in one line for the trunking GF-DIN A6/4 100x50, and in two lines for the trunking GF-DIN A6/4 100x75 (distance between lines : 50 mm).



Cable trunking halogen free with and without slots and with base punching



GF-DIN-SH
Colour light grey
to standard DIN 43659

Slots and webs :	slots 5 mm, webs 7,5 mm (distance 12,5 mm)
Standard length :	2 m (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour:	light grey (GY 013) RAL 7035
Material :	Polyphenylenoxide (PPO)

Cable trunking GF-DIN-SH-A7/5 (halogen free) with slots and base punching (*see page C1/1-04)

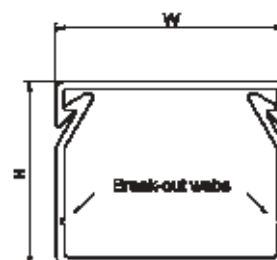
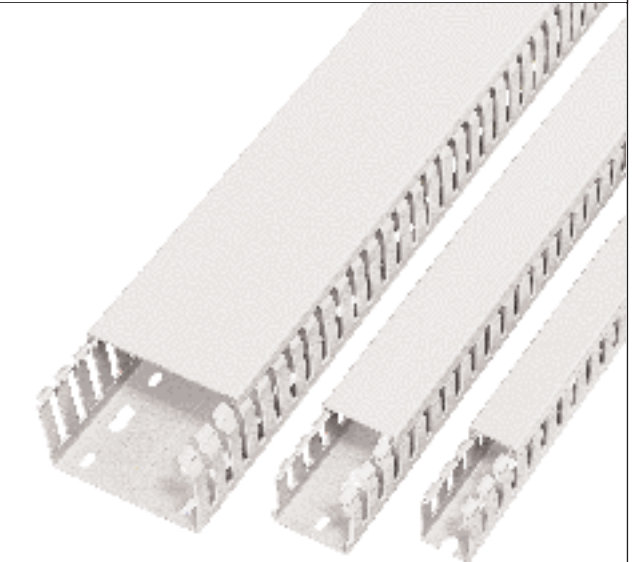
type	article number	pack	outside dimensions		
			H	W	h1
Height 37,5 mm					
GF-DIN-SH-A7/5 37,5x37,5	0848 0051 013	24 m	35,5	35,5	8
Height 50 mm					
GF-DIN-SH-A7/5 50x37,5	0848 0141 013	24 m	48	35,5	8
GF-DIN-SH-A7/5 50x50	0848 0151 013	24 m	48	48	8
GF-DIN-SH-A7/5 50x75	0848 0152 013	24 m	48	73	8
GF-DIN-SH-A7/5 50x100	0848 0153 013	12 m	48	98	8
Height 75 mm					
GF-DIN-SH-A7/5 75x37,5*	0848 0221 013	24 m	73	35,5	12
GF-DIN-SH-A7/5 75x50*	0848 0231 013	24 m	73	48	12
GF-DIN-SH-A7/5 75x75*	0848 0241 013	24 m	73	73	12
GF-DIN-SH-A7/5 75x100*	0848 0251 013	12 m	73	98	12
GF-DIN-SH-A7/5 75x125*	0848 0261 013	12 m	73	123	12

Cable trunking GF-DIN-SH-S (halogen free) without slots and with base punching

Height 37,5 mm					
GF-DIN-SH-S 37,5x37,5	0848 0351 013	24 m	35,5	35,5	--
Height 50 mm					
GF-DIN-SH-S 50x37,5	0848 0441 013	24 m	48	35,5	-
GF-DIN-SH-S 50x50	0848 0451 013	24 m	48	48	-
GF-DIN-SH-S 50x75	0848 0452 013	24 m	48	73	-
GF-DIN-SH-S 50x100	0848 0453 013	12 m	48	98	-
Height 75 mm					
GF-DIN-SH-S 75x37,5	0848 0521 013	24 m	73	35,5	-
GF-DIN-SH-S 75x50	0848 0531 013	24 m	73	48	-
GF-DIN-SH-S 75x75	0848 0541 013	24 m	73	73	-
GF-DIN-SH-S 75x100	0848 0551 013	12 m	73	98	-
GF-DIN-SH-S 75x125	0848 0561 013	12 m	73	123	-

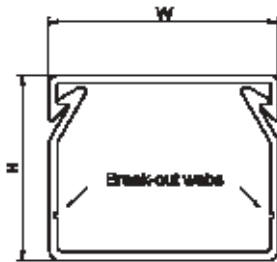
Lids for GF-DIN-SH (halogen free)

Width 37,5 mm		
Lid GF-DIN-SH 37,5	0848 0645 013	12 m
Width 50 mm		
Lid GF-DIN-SH 50	0848 0650 013	12 m
Width 75 mm		
Lid GF-DIN-SH 75	0848 0655 013	12 m
Width 100 mm		
Lid GF-DIN-SH 100	0848 0660 013	12 m
Width 125 mm		
Lid GF-DIN-SH 125	0848 0665 013	12 m

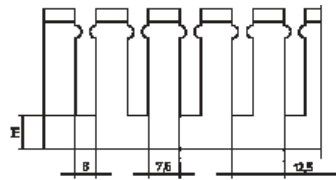




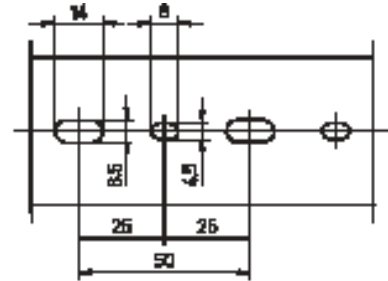
Cross section



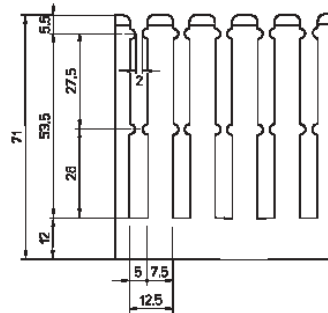
Slots



Base punching



* laterals slots for height 75 mm



base punching to DIN 43659

in one line for trunkings of widths 37,5 and 50 mm,
and in two lines for trunkings of widths 75 - 100 and 125 mm (distance between lines: 50 mm).

Cable trunking SES series GF-DIN-C-A12/8 GREY or BLACK

with slots and base punching



GF-DIN-C-A12/8

Slots and webs :	slots 8 mm, webs 12 mm (distance 20 mm)
Standard length :	2 m (other lengths on request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colours :	grey (GY 013) RAL 7030 similar to NF X 08-002/A290 - black (BK 010)
Material :	PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see following page

GF-DIN-C-A12/8 trunking

type	article number		pack	outside dimensions		
	grey	black		H	L	h'
Height 37,5 mm						
GF-DIN-C-A12/8 37,5x25	0845 0046 013	0845 0046 010	48 m	35,5	23	8
GF-DIN-C-A12/8 37,5x37,5	0845 0056 013	0845 0056 010	24 m	35,5	35,5	8
GF-DIN-C-A12/8 37,5x50	0845 0066 013	0845 0066 010	24 m	35,5	48	8
Height 50 mm						
GF-DIN-C-A12/8 50x25	0845 0136 013	0845 0136 010	48 m	48	23	8
GF-DIN-C-A12/8 50x37,5	0845 0146 013	0845 0146 010	24 m	48	35,5	8
GF-DIN-C-A12/8 50x50	0845 0166 013	0845 0166 010	24 m	48	48	8
GF-DIN-C-A12/8 50x75	0845 0167 013	0845 0167 010	24 m	48	73	8
GF-DIN-C-A12/8 50x100	0845 0168 013	0845 0168 010	12 m	48	98	8
GF-DIN-C-A12/8 50x125	0845 0169 013	0845 0169 010	12 m	48	123	8
Height 75 mm						
GF-DIN-C-A12/8 75x25	0845 0216 013	0845 0216 010	48 m	73	25	12
GF-DIN-C-A12/8 75x37,5	0845 0226 013	0845 0226 010	24 m	73	35,5	12
GF-DIN-C-A12/8 75x50	0845 0236 013	0845 0236 010	24 m	73	48	12
GF-DIN-C-A12/8 75x75	0845 0246 013	0845 0246 010	24 m	73	73	12
GF-DIN-C-A12/8 75x100	0845 0256 013	0845 0256 010	12 m	73	98	12
GF-DIN-C-A12/8 75x125	0845 0266 013	0845 0266 010	12 m	73	123	12



for slots, see page C1/1-06

GF-DIN trunkings are delivered in standard dimensions without double-sided adhesive tape at the base.

Trunkings fitted with double-sided adhesive tape are separately priced :

For GF-DIN trunkings, widths 25 to 50 mm :

Art. number : 0845 0903 000

For GF-DIN trunkings, widths 75 to 125 mm :

Art. number : 0845 0904 000

The adhesive tape allows temporary fastening before final attachment.

Double-sided adhesive tape can be delivered in rolls of different widths. See page C3/1-4-02

Lids for GF-DIN-C trunkings

(GF-DIN-C cable trunkings are always delivered with lids)

On request only lids are delivered.



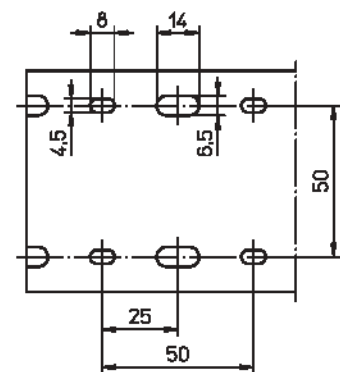
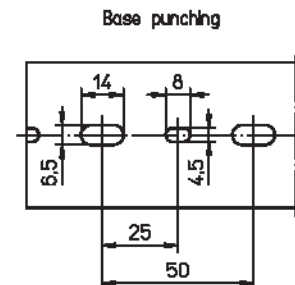
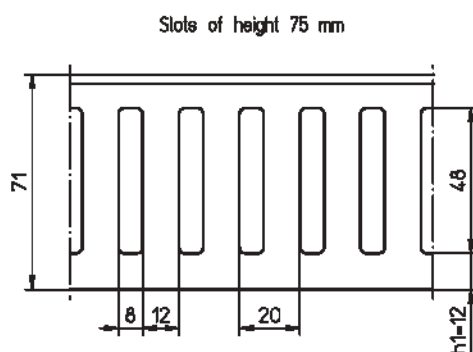
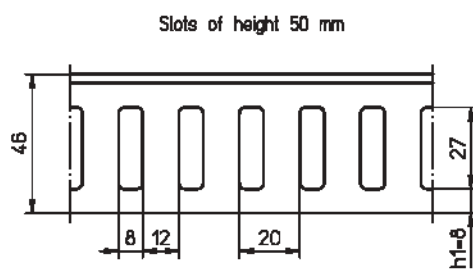
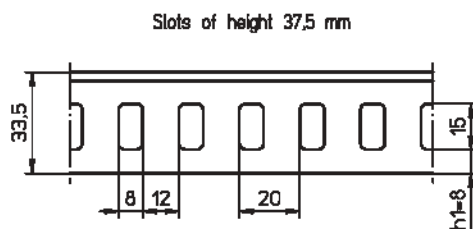
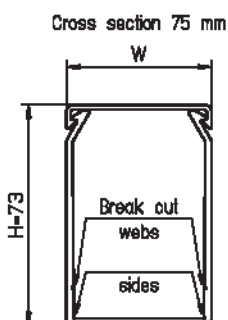
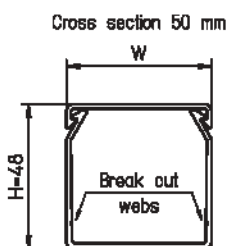
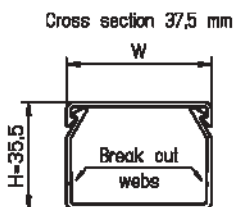
**GREY
BLACK**

Lids for GF-DIN trunkings

type	article number grey	article number black	pack	for trunkings	
Width 25 mm					
Lid GF-DIN 25	0845 0640 013	0845 0640 010	48 m	GF-DIN-C-A12/8 37,5x25	GF-DIN-C-A12/8 50x25 GF-DIN-C-A12/8 75x25
Width 37,5 mm					
Lid GF-DIN 37,5	0845 0645 013	0845 0645 010	24 m	GF-DIN-C-A12/8 37,5x37,5	GF-DIN-C-A12/8 50x37,5 GF-DIN-C-A12/8 75x37,5
Width 50 mm					
Lid GF-DIN 50	0845 0650 013	0845 0650 010	24 m	GF-DIN-C-A12/8 37,5x50	GF-DIN-C-A12/8 50x50 GF-DIN-C-A12/8 75x50
Width 75 mm					
Lid GF-DIN 75	0845 0655 013	0845 0655 010	24 m	GF-DIN-C-A12/8 50x75	GF-DIN-C-A12/8 75x75
Width 100 mm					
Lid GF-DIN 100	0845 0630 013	0845 0630 010	12 m	GF-DIN-C-A12/8 50x100	GF-DIN-C-A12/8 75x100
Width 125 mm					
Lid GF-DIN 125	0845 0665 013	0845 0665 010	12 m	GF-DIN-C-A12/8 50x125	GF-DIN-C-A12/8 75x125

SES Trunking series GF-DIN-C-A12/8

Technical illustrations : cross-section, side view and base punching



Base punching to DIN 43659 in one line for trunkings of widths 25 - 37,5 and 50 mm and in two lines for trunkings of widths 75 - 100 and 125 mm.. (Distance between lines 50 mm)

**SES cable trunking
series GF-DIN black
with slots and base punching**

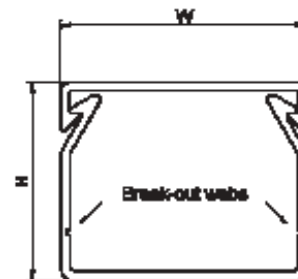
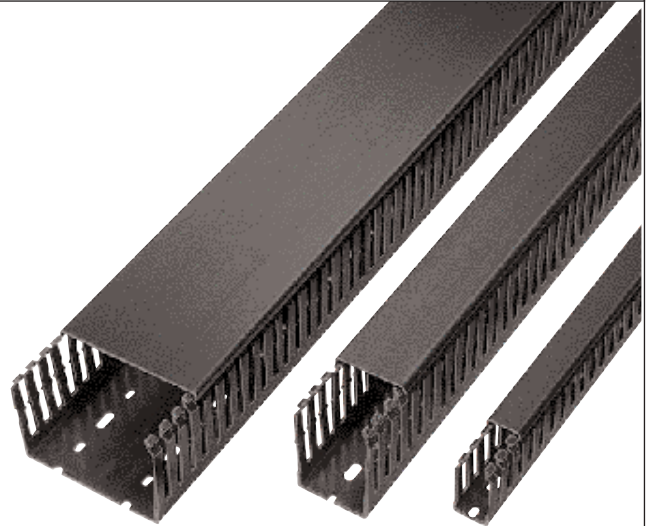


**GF-DIN-A7/5
black
to standard DIN 43659**

Slots and webs :	slots 5 mm ; webs 7,5 mm
Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour :	black (BK 010)
Material :	PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see following page

GF-DIN-A7/5 trunking

typ	article number	pack	outside dimensions		
			H	W	h1
Height 25 mm					
GF-DIN-A7/5 25x25	0845 0031 010	48 m	23	23	6
Height 37,5 mm					
GF-DIN-A7/5 37,5x25	0845 0041 010	48 m	35,5	23	8
GF-DIN-A7/5 37,5x37,5	0845 0051 010	24 m	35,5	35,5	8
GF-DIN-A7/5 37,5x50	0845 0061 010	24 m	35,5	48	8
Height 50 mm					
GF-DIN-A7/5 50x25	0845 0131 010	48 m	48	23	8
GF-DIN-A7/5 50x37,5	0845 0141 010	24 m	48	35,5	8
GF-DIN-A7/5 50x50	0845 0151 010	24 m	48	48	8
GF-DIN-A7/5 50x75	0845 0152 010	24 m	48	73	8
GF-DIN-A7/5 50x100	0845 0153 010	12 m	48	98	8
GF-DIN-A7/5 50x125	0845 0154 010	12 m	48	123	8
Height 75 mm					
GF-DIN-A7/5 75x25	0845 0211 010	48 m	73	25	12
GF-DIN-A7/5 75x37,5	0845 0221 010	24 m	73	35,5	12
GF-DIN-A7/5 75x50	0845 0231 010	24 m	73	48	12
GF-DIN-A7/5 75x75	0845 0241 010	24 m	73	73	12
GF-DIN-A7/5 75x100	0845 0251 010	12 m	73	98	12
GF-DIN-A7/5 75x125	0845 0261 010	12 m	73	123	12



Lids for GF-DIN trunkings
(GF-DIN cable trunkings
are always delivered with lids)



Colour BLACK

Lids for GF-DIN trunkings black

type	article number	pack	for trunkings	
Width 25 mm				
Lid GF-DIN 25	0845 0640 010	48 m	GF-DIN-A7/5 25x25 GF-DIN-A7/5 50x25	GF-DIN-A7/5 37,5x25 GF-DIN-A7/5 75x25
Width 37,5 mm				
Lid GF-DIN 37,5	0845 0645 010	24 m	GF-DIN-A7/5 37,5x37,5 GF-DIN-A7/5 75x37,5	GF-DIN-A7/5 50x37,5
Width 50 mm				
Lid GF-DIN 50	0845 0650 010	24 m	GF-DIN-A7/5 37,5x50 GF-DIN-A7/5 75x50	GF-DIN-A7/5 50x50
Width 75 mm				
Lid GF-DIN 75	0845 0655 010	24 m	GF-DIN-A7/5 50x75	GF-DIN-A7/5 75x75
Width 100 mm				
Lid GF-DIN 100	0845 0630 010	12 m	GF-DIN-A7/5 50x100	GF-DIN-A7/5 75x100
Width 125 mm				
Lid GF-DIN 125	0845 0665 010	12 m	GF-DIN-A7/5 50x125	GF-DIN-A7/5 75x125

Technical illustrations : cross-section, side view and base punching

GF-DIN trunkings are delivered in standard dimensions without double-sided tape at the base.

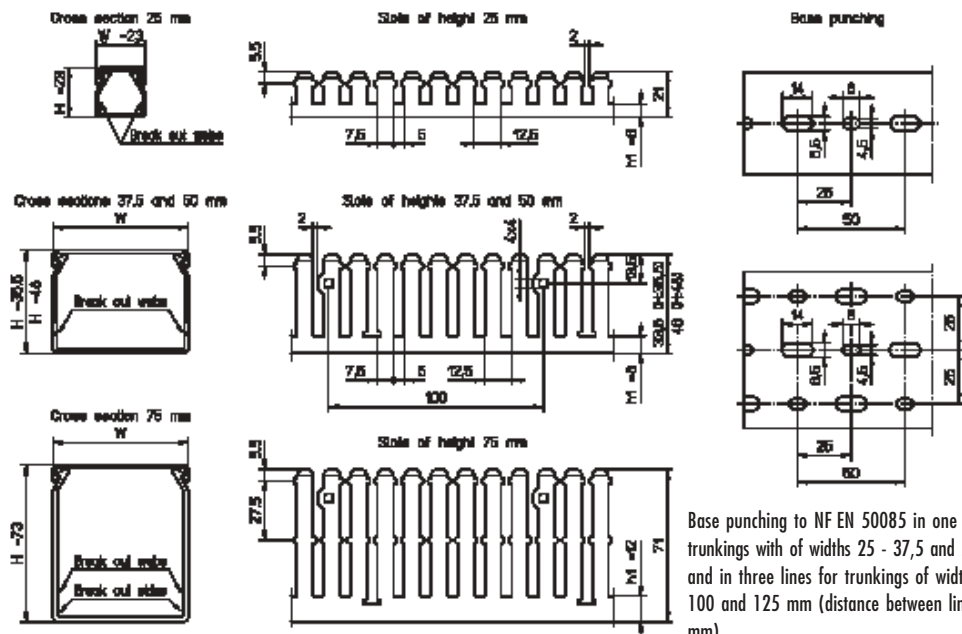
Trunkings fitted with double-sided adhesive tape are separately priced.

For GF-DIN trunkings, widths 25 to 50 mm :
Art. number : 0845 0903 000

For GF-DIN trunkings, widths 75 to 125 mm :
Art. number : 0845 0904 000

The adhesive tape allows temporary fastening before final attachment.

Double-sided adhesive tape can be delivered in rolls of different widths. See page C3/1-4-02



Base punching to NF EN 50085 in one line for trunkings with widths 25 - 37,5 and 50 mm, and in three lines for trunkings of widths 75 - 100 and 125 mm (distance between lines : 25 mm)



SES trunking GF-A6/4 grey with slots and base punching

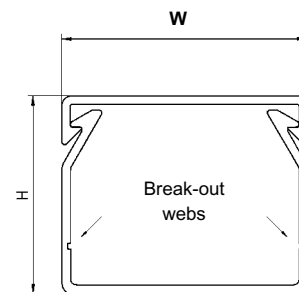
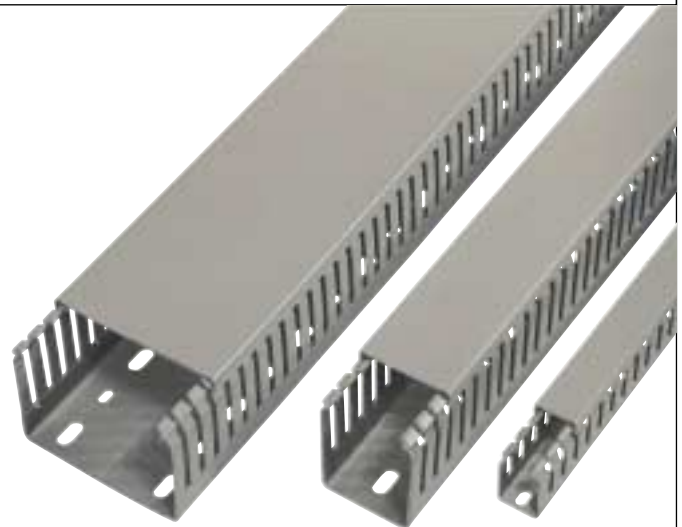


GF-A6/4
Colour grey

Slots and webs :	slots 4 mm - webs 6 mm
Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (base and lids are packed together)
Colour :	grey (GY 013) (RAL 7030)
Material :	PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see following page

GF-A6/4 trunking

type	article number	pack	outside dimensions		
			H	W	h1
Height 23 mm					
GF-A6/4 23x30	0845 0010 013	48 m	23	30	5
GF-A6/4 23x43	0845 0020 013	24 m	23	43	5
Height 25 mm					
GF-A6/4 25x20	0845 0030 013	48 m	25	20	5
Height 35 mm					
GF-A6/4 35x20	0845 0040 013	48 m	35	20	8
GF-A6/4 35x30	0845 0050 013	48 m	35	30	8
GF-A6/4 35x43	0845 0060 013	24 m	35	43	8
Height 42 mm					
GF-A6/4 42x20	0845 0070 013	48 m	42	20	10
GF-A6/4 42x30	0845 0080 013	48 m	42	30	7
GF-A6/4 42x43	0845 0090 013	24 m	42	43	7
GF-A6/4 42x60	0845 0100 013	24 m	42	60	7
GF-A6/4 42x80	0845 0110 013	24 m	42	80	7
GF-A6/4 42x120	0845 0120 013	12 m	42	120	7
Height 50 mm					
GF-A6/4 50x30	0845 0130 013	48 m	48,5	30	8
GF-A6/4 50x43	0845 0140 013	24 m	48,5	43	8
GF-A6/4 50x60	0845 0150 013	24 m	48,5	60	8
Height 60 mm					
GF-A6/4 60x20	0845 0160 013	48 m	60	20	15
GF-A6/4 60x30	0845 0170 013	48 m	60	30	9
GF-A6/4 60x43	0845 0180 013	24 m	60	43	9
GF-A6/4 60x60	0845 0190 013	24 m	60	60	9
GF-A6/4 60x80	0845 0200 013	24 m	60	80	15
GF-A6/4 60x100	0845 0204 013	24 m	60	100	15
GF-A6/4 60x120	0845 0210 013	12 m	60	120	15
Height 80 mm					
GF-A6/4 80x30	0845 0220 013	24 m	80	30	15
GF-A6/4 80x43	0845 0230 013	24 m	80	43	15
GF-A6/4 80x60	0845 0240 013	24 m	80	60	15
GF-A6/4 80x80	0845 0250 013	24 m	80	80	15
GF-A6/4 80x100	0845 0254 013	12 m	80	98	15
GF-A6/4 80x120	0845 0260 013	12 m	80	120	15
Height 100 mm					
GF-A6/4 100x30	0845 0280 013	24 m	100	30	20
GF-A6/4 100x60	0845 0290 013	24 m	100	60	20
GF-A6/4 100x80	0845 0300 013	12 m	100	80	20
GF-A6/4 100x100	0845 0270 013	12 m	100	100	20
GF-A6/4 100x150	0845 0271 013	12 m	100	150	20



GF-A6/4 trunkings are delivered in standard dimensions without double-sided tape at the base.

Trunkings fitted with double-sided adhesive tape are separately priced.

For GF-A6/4 trunkings, widths 20 to 60 mm :
Art. number : 0845 0903 000

For GF-A6/4 trunkings, widths 80 to 150 mm :
Art. number : 0845 0904 000

The adhesive tape allows temporary fastening before final attachment.

Double-sided adhesive tape can be delivered in rolls of different widths. See page C3/1-4-02

GF-DIN-A6/4 trunking

Height 100 mm					
GF-DIN-A6/4 100x50	0845 0286 013	24 m	100	48	20
GF-DIN-A6/4 100x75	0845 0296 013	12 m	100	73	20

For slots, see page C1/1-02

Lids for GF trunkings GREY
(GF cable trunkings are always delivered with lids)
Delivery of lids only by request.



Lids for GF trunkings

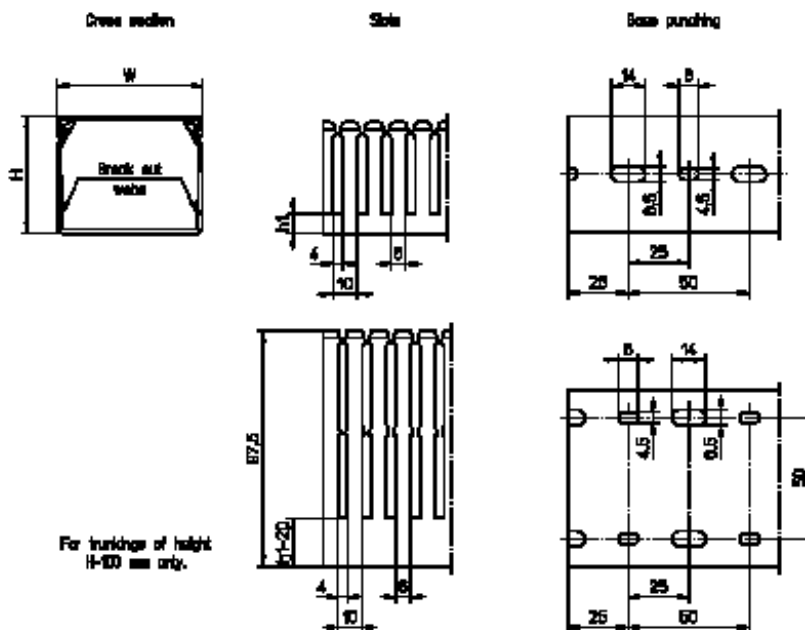
type	article number	pack	for trunkings		
Width 20 mm			GF-A6/4 25x20	GF-A6/4 35x20	
Lid GF 20	0845 0605 013	48 m	GF-A6/4 42x20	GF-A6/4 60x20	
Width 30 mm			GF-A6/4 23x30	GF-A6/4 35x30	GF-A6/4 42x30
Lid GF 30	0845 0610 013	24 m	GF-A6/4 50x30	GF-A6/4 60x30	GF-A6/4 80x30
			GF-A6/4 100x30		
Width 43 mm			GF-A6/4 23x43	GF-A6/4 35x43	GF-A6/4 42x43
Lid GF 43	0845 0615 013	24 m	GF-A6/4 50x43	GF-A6/4 60x43	GF-A6/4 80x43
Width 60 mm			GF-A6/4 42x60	GF-A6/4 50x60	GF-A6/4 60x60
Lid GF 60	0845 0620 013	24 m	GF-A6/4 80x60	GF-A6/4 100x60	
Width 80 mm			GF-A6/4 42x80	GF-A6/4 60x80	
Lid GF 80	0845 0625 013	24 m	GF-A6/4 80x80	GF-A6/4 100x80	
Width 100			GF-A6/4 60x100	GF-A6/4 80x100	
Lid GF 100	0845 0630 013	12 m	GF-A6/4 100x100		
Width 120			GF-A6/4 42x120	GF-A6/4 60x120	
Lid GF120	0845 0635 013	12 m	GF-A6/4 80x120		
Width 150 mm			GF-A6/4 100x150		
Lid GF 150	0845 0636 013	12 m			

Lids for GF-DIN trunking

Width 50 mm			
Lid GF-DIN 50	0845 0650 013	24 m	GF-DIN-A6/4 100x50
Width 75 mm			
Lid GF-DIN 75	0845 0655 013	24 m	GF-DIN-A6/4 100x75

SES TRUNKING GF-A6/4

Technical illustrations : cross-section, side view and base punching



base punching to DIN 43659 in one line for trunkings of widths 20 - 30 - 43 and 60 mm, and in two lines for trunkings of widths 80 - 100 - 120 and 150 mm (distance between lines: 50 mm).

SES cable trunking series GF-A12/8 GREY
with wide slots (8mm), webs 12 mm
and base punching



GF-A12/8
Colour grey

Slots and webs :	slots 8 mm - webs 12 mm
Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour :	grey (013 GY) (RAL 7030)
Material :	rigid PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see below

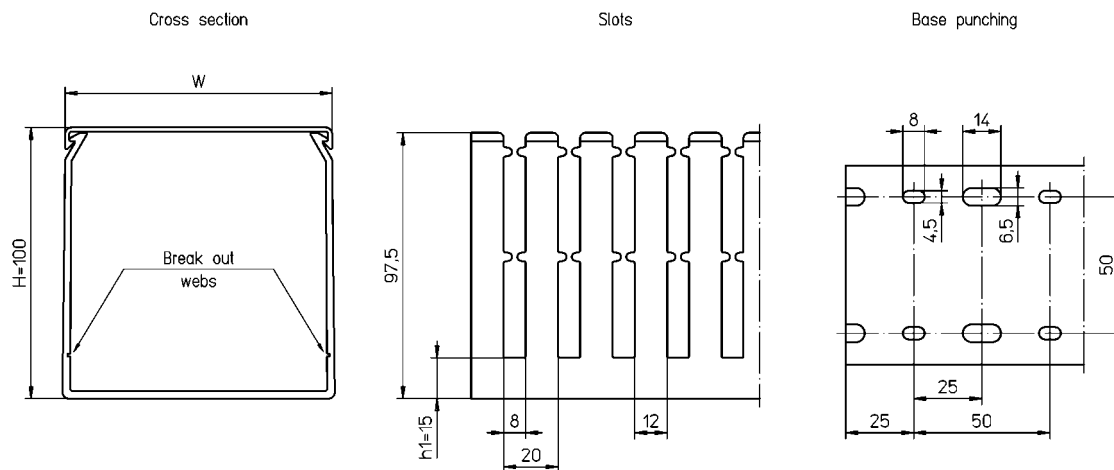
GF-A12/8 trunking

type	article number	pack	outside dimensions		
			H	W	h1
Height 100 mm					
GF-A12/8 100x100	0845 0276 013	12 m	100	100	15
GF-A12/8 100x150	0845 0273 013	12 m	100	150	15



SES TRUNKING GF-A12/8

Technical illustrations : cross-section , side view and base punching



Base punching to DIN 43659

GF-A12/8 trunkings are delivered in standard dimensions without double-sided tape at the base. Trunkings fitted with double-sided adhesive are separately priced.

For GF-A12/8 trunkings, widths 100 to 150 mm: **Art. number** : 0845 0904 000

The adhesive tape allows temporary fastening before final attachment.

Double-sided adhesive tape can be delivered in rolls of different widths. See page C3/1-4-02

SES cable trunking series GF-A6/4
to Standards NF EN 50014 and 50020 for integrally
safe areas - with slots and base punching

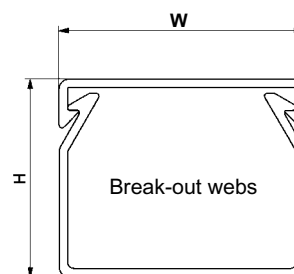
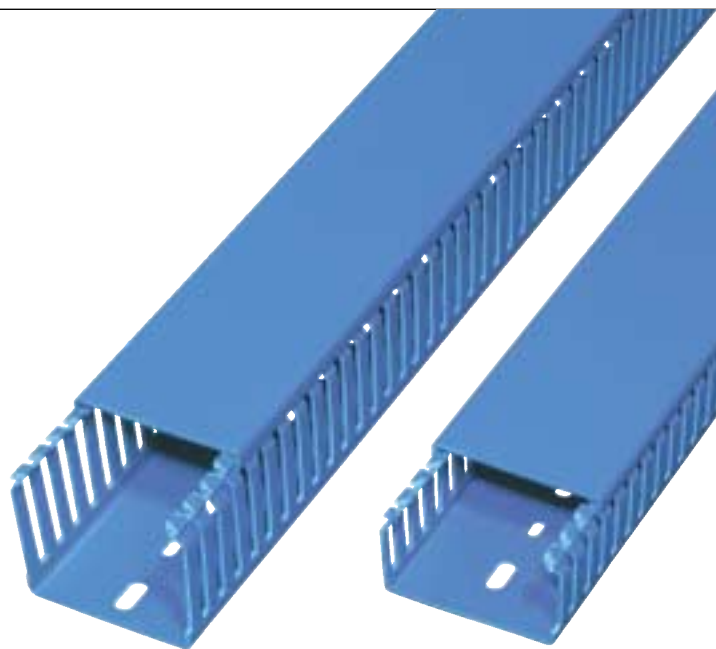


GF-A6/4
blue coloured

Slots and webs :	slots 4 mm - webs 6 mm
Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (base and lids are packed together)
Colour :	blue (083 BU)
Material:	PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see following page

GF-A6/4 trunking
blue coloured

type	Article number	pack	outside dimensions		
			H	W	h1
Height 23 mm					
GF-A6/4 23x30	0849 0010 083	48 m	23	30	5
Height 42 mm					
GF-A6/4 42x20	0849 0070 083	48 m	42	20	10
GF-A6/4 42x30	0849 0080 083	48 m	42	30	7
GF-A6/4 42x43	0849 0090 083	24 m	42	43	7
GF-A6/4 42x60	0849 0100 083	24 m	42	60	7
Height 60 mm					
GF-A6/4 60x30	0849 0170 083	48 m	60	30	9
GF-A6/4 60x43	0849 0180 083	24 m	60	43	9
GF-A6/4 60x60	0849 0190 083	24 m	60	60	9
GF-A6/4 60x80	0849 0200 083	24 m	60	80	15
GF-A6/4 60x120	0849 0210 083	12 m	60	120	15
Height 80 mm					
GF-A6/4 80x30	0849 0220 083	24 m	80	30	15
GF-A6/4 80x43	0849 0230 083	24 m	80	43	15
GF-A6/4 80x60	0849 0240 083	24 m	80	60	15
GF-A6/4 80x80	0849 0250 083	24 m	80	80	15
Height 100 mm					
GF-A6/4 100x60	0849 0290 083	24 m	100	60	25
GF-A6/4 100x100	0849 0270 083	12 m	100	100	25



GF-A6/4 trunkings are delivered in standard dimensions without double-sided tape at the base.

Trunkings fitted with double-sided adhesive tape are separately priced.

For GF-A6/4 trunkings, widths 20 to 60 mm :

Art. number : 0849 0903 000

For GF-A6/4 trunkings, widths 80 to 150 mm :

Art. number : 0849 0904 000

The adhesive tape allows temporary fastening before final attachment.

Double-sided adhesive tape can be delivered in rolls of different widths. See page C3/1-4-02

Lids for GF trunking blue

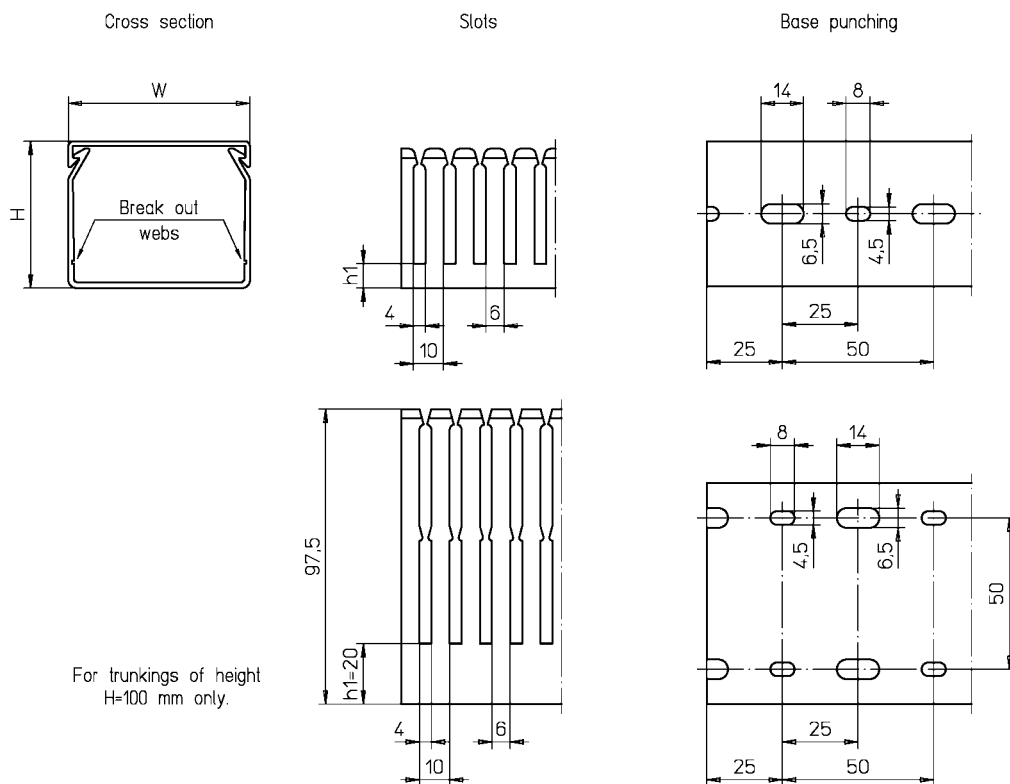
(GF cable trunkings blue are always delivered with lids)



blue coloured type	Lids for GF trunkings		for trunkings
	Article number	pack	
Width 20 mm			
Lid GF 20	0849 0605 083	48 m	GF-A6/4 42x20
Width 30 mm			
Lid GF 30	0849 0610 083	24 m	GF-A6/4 23x30 GF-A6/4 42x30 GF-A6/4 60x30 GF-A6/4 80x30
Width 43 mm			
Lid GF 43	0849 0615 083	24 m	GF-A6/4 42x43 GF-A6/4 60x43 GF-A6/4 80x43
Width 60 mm			
Lid GF 60	0849 0620 083	24 m	GF-A6/4 42x60 GF-A6/4 60x60 GF-A6/4 80x60 GF-A6/4 100x60
Width 80 mm			
Lid GF 80	0849 0625 083	24 m	GF-A6/4 60x80 GF-A6/4 80x80
Width 100 mm			
Lid GF 100	0849 0630 083	12 m	GF-A6/4 100x100
Width 120 mm			
Lid GF120	0849 0635 083	12 m	GF-A6/4 60x120

SES TRUNKING GF-A6/4

Technical illustrations : cross-section, side view and base punching



Base punching to DIN 43659 in one line for trunkings of widths 20 - 30 - 43 and 60 mm, and in two lines for trunkings of widths 80 - 100 - 120 and 150 mm (distance between lines: 50 mm).

SES cable trunking series GK-A6/4 GREY
with slots, base punching



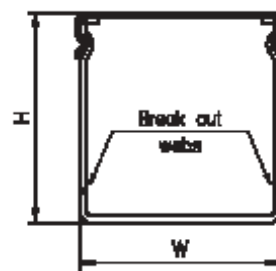
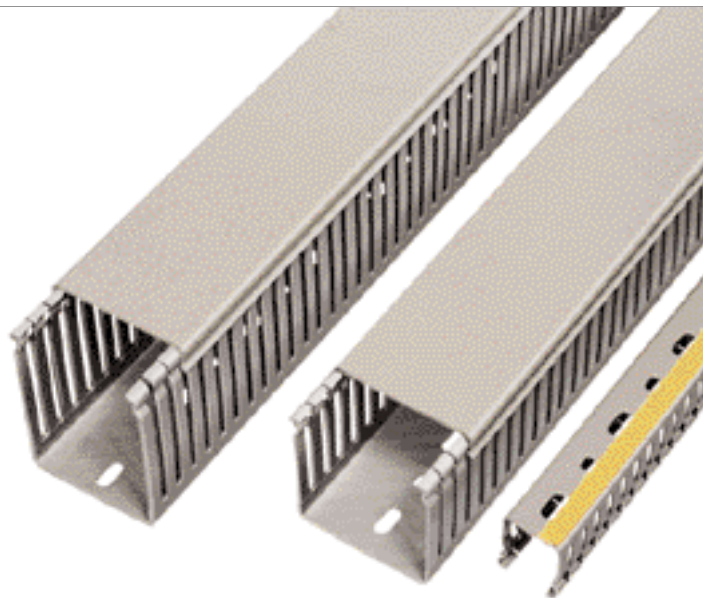
GK-A6/4
Colour grey

With double-sided adhesive

Slots and webs :	slots 4 mm - webs 6 mm
Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour :	grey (013 GY) (RAL 7030)
Material :	PVC (Grade 9051)
Other technical properties :	see page D100
Dimensions :	see following page

GK-A6/4 trunking

type	article number	pack	external dimensions		
			H	W	h1
Height 18 mm					
GK-A6/4 15x15	0844 0026 013	48 m	18,1	18	4
Height 23 mm					
GK-A6/4 20x25	0844 0027 013	48 m	23,3	28	5
Height 33 mm					
GK-A6/4 30x15	0844 0028 013	48 m	33,1	18	5
GK-A6/4 30x25	0844 0031 013	48 m	33,6	28	5
GK-A6/4 30x40	0844 0029 013	24 m	33,6	43	5
Height 45 mm					
GK-A6/4 40x15	0844 0030 013	48 m	43,4	18	7
GK-A6/4 40x25	0844 0032 013	48 m	45,3	28	7
GK-A6/4 40x40	0844 0033 013	24 m	45,3	43	7
GK-A6/4 40x60	0844 0034 013	24 m	45,3	63	7
GK-A6/4 40x80	0844 0035 013	24 m	45,3	84	7
GK-A6/4 40x120	0844 0036 013	12 m	45,5	125	7
Height 66 mm					
GK-A6/4 60x15	0844 0037 013	48 m	65,9	18	9
GK-A6/4 60x25	0844 0041 013	48 m	66,1	28	9
GK-A6/4 60x40	0844 0042 013	24 m	66,1	43	9
GK-A6/4 60x60	0844 0043 013	24 m	66,1	63	9
GK-A6/4 60x80	0844 0044 013	24 m	66,1	84	9
GK-A6/4 60x100	0844 0038 013	12 m	66,1	104	9
GK-A6/4 60x120	0844 0039 013	12 m	66,3	125	9
Height 85 mm					
GK-A6/4 80x25	0844 0045 013	24 m	85,1	30	11
GK-A6/4 80x40	0844 0046 013	24 m	85,1	43	11
GK-A6/4 80x60	0844 0040 013	24 m	85,1	63	11
GK-A6/4 80x80	0844 0048 013	12 m	84,9	84	11
GK-A6/4 80x100	0844 0050 013	12 m	85,3	100	11
GK-A6/4 80x120	0844 0049 013	12 m	85,3	125	11



GK-A6/4 trunkings are delivered in standard dimensions with double-sided tape at the base.

The adhesive tape allows temporary fastening before final attachment

Lids for GK trunkings GREY

(GK trunkings are always delivered with lids)

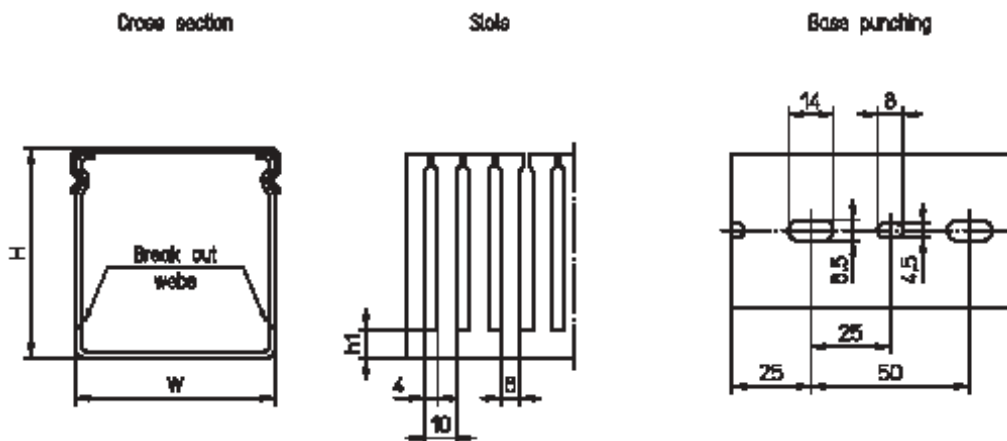


Lids for GK trunkings

type	Article number	pack	for trunkings	
Width 15 mm				
Lid GK 15	0844 0501 013	48 m	GK-A6/4 15x15 GK-A6/4 40x15	GK-A6/4 30x15 GK-A6/4 60x15
Width 25 mm				
Lid GK 25 B	0844 0502 013	48 m	GK-A6/4 20x25	
Lid GK 25 A	0844 0503 013	48 m	GK-A6/4 30x25 GK-A6/4 60x25	GK-A6/4 40x25 GK-A6/4 80x25
Width 40 mm				
Lid GK 40	0844 0504 013	24 m	GK-A6/4 30x40 GK-A6/4 60x40	GK-A6/4 40x40 GK-A6/4 80x40
Width 60 mm				
Lid GK 60	0844 0505 013	24 m	GK-A6/4 40x60 GK-A6/4 80x60	GK-A6/4 60x60
Width 80 mm				
Lid GK 80	0844 0506 013	24 m	GK-A6/4 40x80 GK-A6/4 80x80	GK-A6/4 60x80
Width 100 mm				
Lid GK 100	0844 0507 013	12 m	GK-A6/4 60x100	GK-A6/4 80x100
Width 120 mm				
Lid GK 120	0844 0508 013	12 m	GK-A6/4 40x120 GK-A6/4 80x120	GK-A6/4 60x120

SES TRUNKING GK-A6/4

Technical illustrations : cross-section, side view and base punching




Base punching to DIN 43659 in one line for trunkings of widths 15 - 25 - 40 and 60 mm, and in two lines for trunkings of widths 80 - 100 and 120 mm (distance between lines : 50 mm).

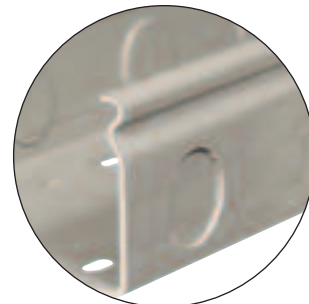
GK-PPC / GF-DIN-PPDA

Material:	PVC rigid quality 9051
Colour:	grey RAL7030
Temperature of use:	-5 to +65°C
Density:	1,56
Volume resistivity:	10 ¹⁵ Ω.cm
Dielectric strength:	15kV/mm
Specification:	UL94-V0 CSTB : M2
Standard length:	2 meters
Double sided ribbon:	standard for GK-PPC upon request for GF-DIN-PPDA
Minimum quantity:	1 complete pack (with lid)




GK-PPC

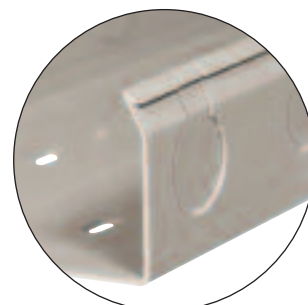
type	art. no.		dimensions (mm)	
			H	W
GK-PPC 40 x 25	0844 0101 013	48	45	28
GK-PPC 40 x 40	0844 0102 013	24	45	43
GK-PPC 40 x 60	0844 0103 013	24	45	63
GK-PPC 40 x 80	0844 0104 013	24	45	84
GK-PPC 40 x 120	0844 0105 013	12	45	125



GK-PPC

GF-DIN-PPDA

type	art. no.		dimensions (mm)	
			H	W
GF-DIN-PPDA 50 x 50	0845 0713 013	24	48	48
GF-DIN-PPDA 50 x 75	0845 0714 013	24	48	73
GF-DIN-PPDA 50 x 100	0845 0715 013	12	48	98
GF-DIN-PPDA 50 x 125	0845 0716 013	12	48	123



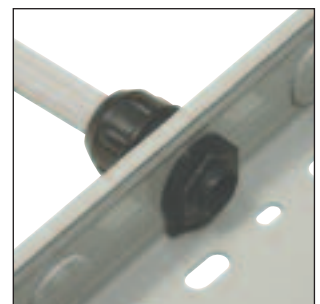
GF-DIN-PPDA



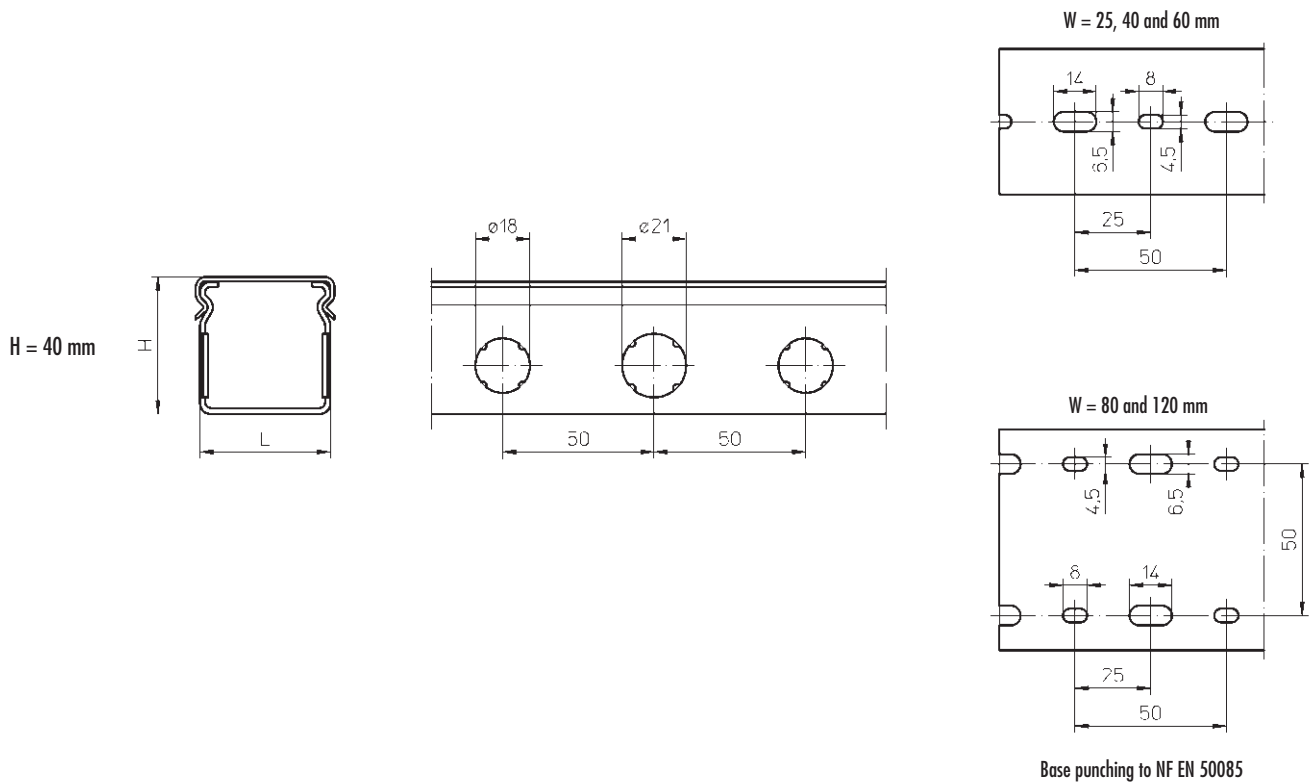
Slots are intended for ICO conduits N. 13 and N. 16 according to standard NF C 68-133.

Can also be used

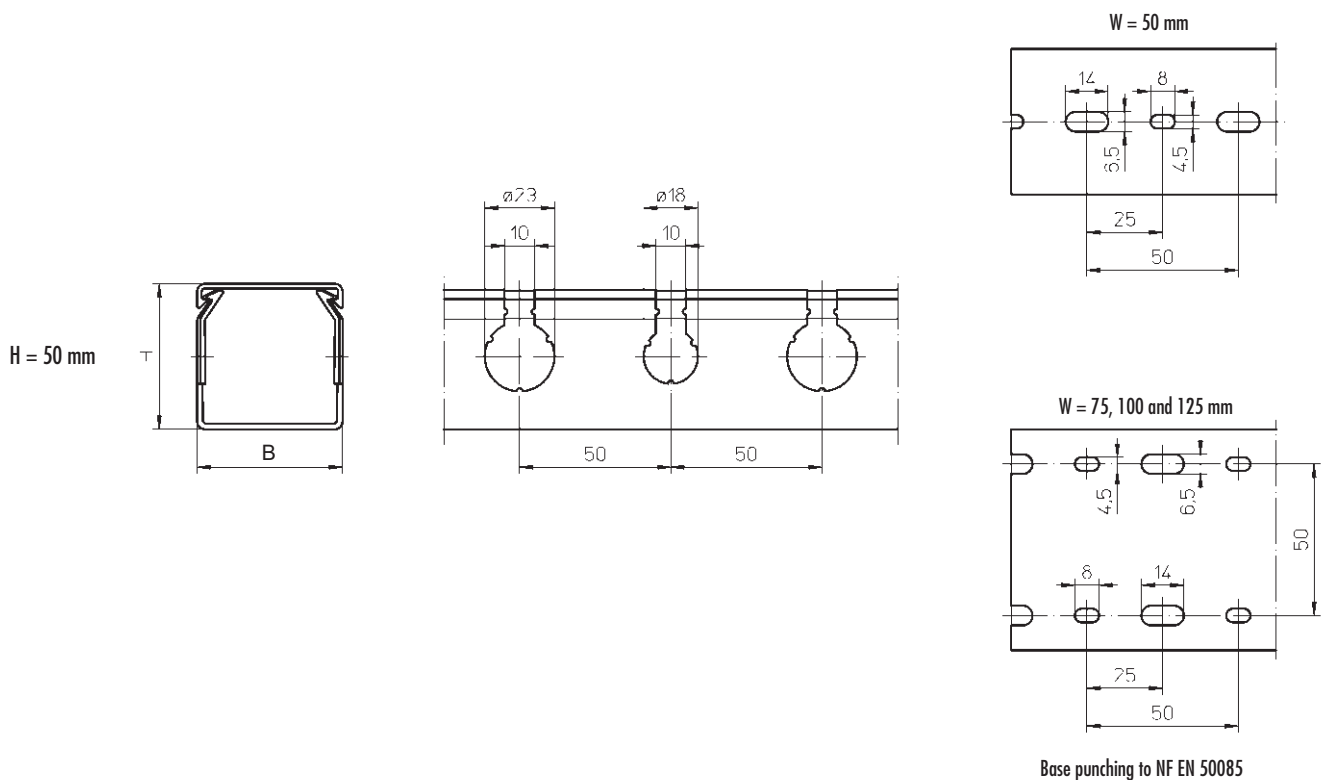
- PLIOSIL cable glands page A6/4-01,
- ELECTROFLEX cable glands page A7/2-01,
- PLIOLOCK cable glands page A7/5-01.



GK-PPC

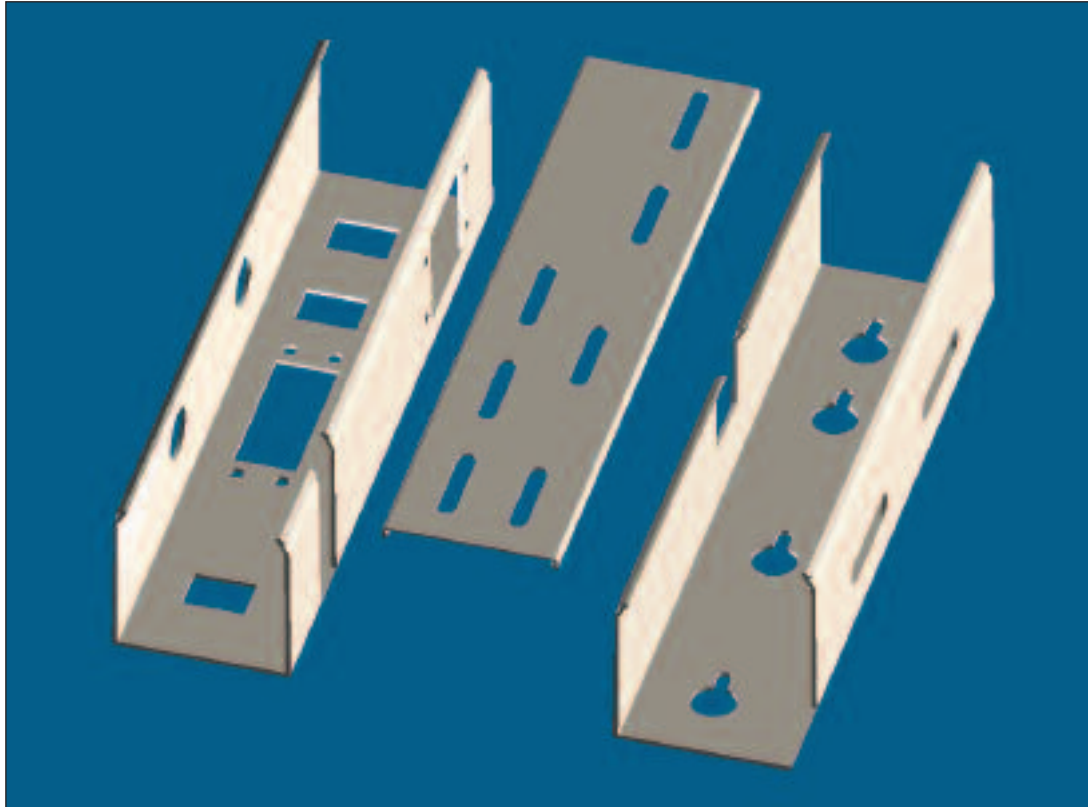


GF-DIN-PPDA





Semi-standard products - manufactured upon request only



On request SES-Sterling can quote you for special cable trunking for example :

 cable trunking with special slots and base punching

 cable trunking in special lengths

Punching possible for all standard cable trunking. On request SES-Sterling will develop new cable trunking with special profiles.

Please **send us your inquiry** with illustrations as well as quantity, colour and material required.

Article number : 0845 0999 000

SES special cutting tools for conduit trunkings



SES

For a fast cut of our conduit trunkings, STERLING offers a selection of special tools.

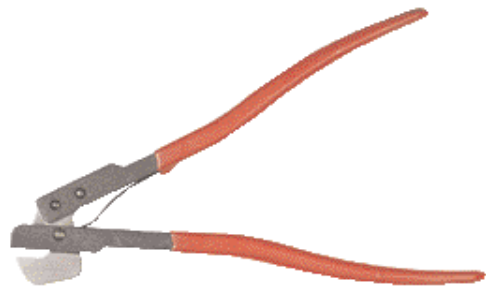
The following illustrations give you an overview of this program.

For more details, see our pages C3/7-01 and D4/6-01 in this catalogue.

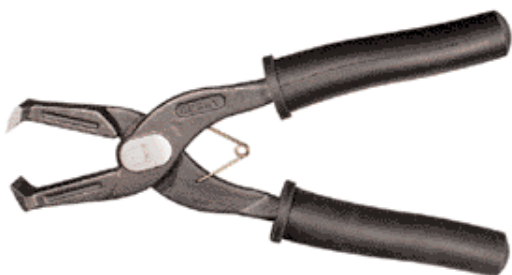
DX-71 shears for trunkings
with holding device



DK-60 nibbling tool
for trunkings



DK-55SP cutting tools
for trunking webs



DC 125 cutter
for PVC trunkings



SES trunking series GF-DIN-S

plain and without base punching

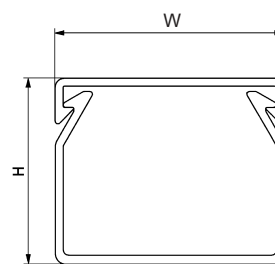


GF-DIN-S

Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour :	grey (GY 013) RAL 7030 NF X 08-002/A290
Material :	PVC (Grade 9051)
Other technical properties :	see page D 100

GF-DIN-S trunking, plain and without base punching

type	article number	length	pack	outside dimensions	
				H	W
Height 25 mm					
GF-DIN-S 25 x 25	0845 0331 013	2 m	48 m	23	23
Height 37,5 mm					
GF-DIN-S 37,5 x 25	0845 0341 013	2 m	48 m	35,5	23
GF-DIN-S 37,5 x 37,5	0845 0351 013	2 m	24 m	35,5	35,5
GF-DIN-S 37,5 x 50	0845 0361 013	2 m	24 m	35,5	48
Height 50 mm					
GF-DIN-S 50 x 25	0845 0431 013	2 m	48 m	48	23
GF-DIN-S 50 x 37,5	0845 0441 013	2 m	24 m	48	35,5
GF-DIN-S 50 x 50	0845 0451 013	2 m	24 m	48	48
GF-DIN-S 50 x 75	0845 0452 013	2 m	24 m	48	73
GF-DIN-S 50 x 100	0845 0453 013	2 m	12 m	48	98
GF-DIN-S 50 x 125	0845 0454 013	2 m	12 m	48	123
Height 75 mm					
GF-DIN-S 75 x 25	0845 0511 013	2 m	48 m	73	25
GF-DIN-S 75 x 37,5	0845 0521 013	2 m	24 m	73	35,5
GF-DIN-S 75 x 50	0845 0531 013	2 m	24 m	73	48
GF-DIN-S 75 x 75	0845 0541 013	2 m	24 m	73	73
GF-DIN-S 75 x 100	0845 0551 013	2 m	12 m	73	98
GF-DIN-S 75 x 125	0845 0561 013	2 m	12 m	73	123
Height 100 mm					
GF-DIN-S 100 x 50	0845 0585 013	2 m	24 m	100	48
GF-DIN-S 100 x 75	0845 0595 013	2 m	12 m	100	73



GF-DIN-S trunkings are delivered in standard dimensions without double-sided tape at the base. Trunkings fitted with double-faced adhesive tape are separately priced :

For GF-DIN-S trunkings, widths 25 to 50 mm : **Art. number : 0845 0903 000**
 For GF-DIN-S trunkings, widths 75 to 125 mm : **Art. number : 0845 0904 000**

The adhesive tape allows temporary fastening before final attachment. Double-sided adhesive tape is available in rolls of different widths. See page C3/1-4-02

SES trunking series GF-S

plain, without base punching

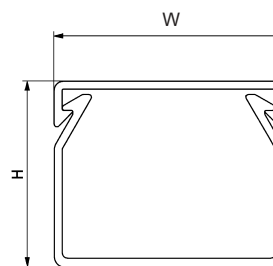


GF-S

Standard length :	2 metres (other lengths upon request)
Minimum delivery :	1 packing unit (bases and lids are packed together)
Colour :	grey (013 GY) RAL 7030
Material :	PVC Grade 9051
Other technical properties :	see page D100

GF-S trunking, plain and without base punching

type	article number	length	pack	external dimensions	
				H	W
Height 23 mm					
GF-S 23 X 30	0845 0310 013	2 m	48 m	23	30
GF-S 23 X 43	0845 0320 013	2 m	24 m	23	43
Height 25 mm					
GF-S 25 X 20	0845 0330 013	2 m	48 m	25	20
Height 35 mm					
GF-S 35 X 20	0845 0340 013	2 m	48 m	35	20
GF-S 35 X 30	0845 0350 013	2 m	48 m	35	30
GF-S 35 X 43	0845 0360 013	2 m	24 m	35	43
Height 42 mm					
GF-S 42 X 20	0845 0370 013	2 m	48 m	42	20
GF-S 42 X 30	0845 0380 013	2 m	48 m	42	30
GF-S 42 X 43	0845 0390 013	2 m	24 m	42	43
GF-S 42 X 60	0845 0400 013	2 m	24 m	42	60
GF-S 42 X 80	0845 0410 013	2 m	24 m	42	80
GF-S 42 X 120	0845 0420 013	2 m	12 m	42	120
Height 50 mm					
GF-S 50 X 30	0845 0430 013	2 m	48 m	48,5	30
GF-S 50 X 43	0845 0440 013	2 m	24 m	48,5	43
GF-S 50 X 60	0845 0450 013	2 m	24 m	48,5	60
Height 60 mm					
GF-S 60 X 20	0845 0460 013	2 m	48 m	60	20
GF-S 60 X 30	0845 0470 013	2 m	48 m	60	30
GF-S 60 X 43	0845 0480 013	2 m	24 m	60	43
GF-S 60 X 60	0845 0490 013	2 m	24 m	60	60
GF-S 60 X 80	0845 0500 013	2 m	24 m	60	80
GF-S 60 X 100	0845 0505 013	2 m	24 m	60	100
GF-S 60 X 120	0845 0510 013	2 m	12 m	60	120
Height 80 mm					
GF-S 80 X 30	0845 0520 013	2 m	24 m	80	30
GF-S 80 X 43	0845 0530 013	2 m	24 m	80	43
GF-S 80 X 60	0845 0540 013	2 m	24 m	80	60
GF-S 80 X 80	0845 0550 013	2 m	24 m	80	80
GF-S 80 X 100	0845 0555 013	2 m	12 m	80	100
GF-S 80 X 120	0845 0560 013	2 m	12 m	80	120
Height 100 mm					
GF-S 100 X 30	0845 0580 013	2 m	24 m	100	30
GF-S 100 X 60	0845 0590 013	2 m	24 m	100	60
GF-S 100 X 80	0845 0600 013	2 m	12 m	100	80
GF-S 100 X 100	0845 0570 013	2 m	12 m	100	100
GF-S 100 X 150	0845 0571 013	2 m	12 m	100	150



GF-S trunkings are delivered as standard without double-sided tape at the base.

Trunkings with double-sided adhesive are priced separately.

For GF-S trunkings, widths 20 to 60 mm :

Art. number : 0845 0903 000

For GF-S trunkings, widths 80 to 150 mm :

Art. number : 0845 0904 000

The adhesive tape allows temporary fastening before final attachment .

Double-sided tape is available in rolls of different widths. (See page C3/1-4-02)

SES trunking series GK-S

plain, with base punching

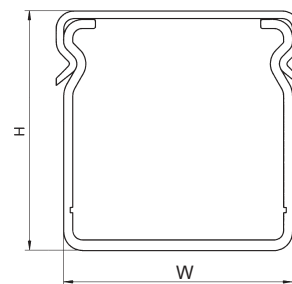


GK-S

Standard length :	2 metres (bases and lids are packed together)
Minimum delivery :	1 packing unit
Colour :	grey (GY 013) RAL 7030 NF X 08-002/A290
Material :	PVC (Grade 9051)
Other technical characteristics :	see page D 100
Special lengths upon request	

GK-S trunking, plain and with base punching

type	article number	length	pack	external dimensions	
				H	W
Height 18 mm					
GK-S 15 x 15	0844 0005 013	2 m	48 m	18,1	18
Height 23 mm					
GK-S 20 x 25	0844 0006 013	2 m	48 m	23,3	28
Height 33 mm					
GK-S 30 x 15	0844 0007 013	2 m	48 m	33,1	18
GK-S 30 x 25	0844 0001 013	2 m	48 m	33,6	28
GK-S 30 x 40	0844 0008 013	2 m	24 m	33,6	43
Height 45 mm					
GK-S 40 x 15	0844 0009 013	2 m	48 m	43,4	18
GK-S 40 x 25	0844 0002 013	2 m	48 m	45,3	28
GK-S 40 x 40	0844 0003 013	2 m	24 m	45,3	43
GK-S 40 x 60	0844 0004 013	2 m	24 m	45,3	63
GK-S 40 x 80	0844 0010 013	2 m	24 m	45,3	84
GK-S 40 x 120	0844 0018 013	2 m	12 m	45,5	125
Height 66 mm					
GK-S 60 x 15	0844 0019 013	2 m	48 m	65,9	18
GK-S 60 x 25	0844 0011 013	2 m	48 m	66,1	28
GK-S 60 x 40	0844 0012 013	2 m	24 m	66,1	43
GK-S 60 x 60	0844 0013 013	2 m	24 m	66,1	63
GK-S 60 x 80	0844 0014 013	2 m	24 m	66,1	84
GK-S 60 x 100	0844 0020 013	2 m	12 m	66,1	104
GK-S 60 x 120	0844 0021 013	2 m	12 m	66,3	125
Height 85 mm					
GK-S 80 x 25	0844 0015 013	2 m	24 m	85,1	30
GK-S 80 x 40	0844 0016 013	2 m	24 m	85,1	43
GK-S 80 x 60	0844 0022 013	2 m	24 m	85,1	63
GK-S 80 x 80	0844 0023 013	2 m	12 m	84,9	84
GK-S 80 x 100	0844 0025 013	2 m	12 m	85,3	100
GK-S 80 x 120	0844 0024 013	2 m	12 m	85,3	125



Base punching

GK-S trunkings are delivered in standard dimensions without double-sided adhesive at the base.

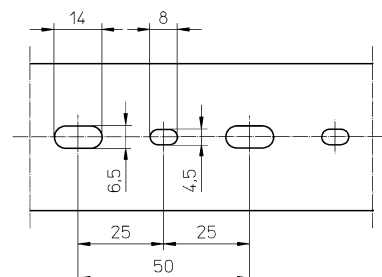
Trunkings with double-sided adhesive are priced separately :

For GK-S trunkings, widths 15 to 60 mm : code : 0845 0903 000

For GK-S trunkings, widths 80 to 120 mm : code: 0845 0904 000

The double-sided adhesive allows temporary fastening before final attachment.

Double-sided adhesive tape is available in rolls of different widths. (see page C3/1-4-02).



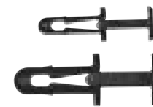
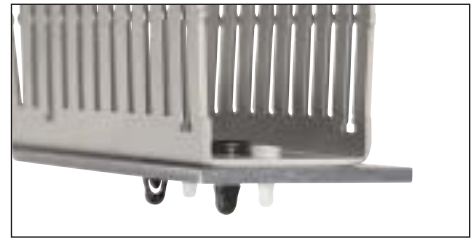
PLIO Trunking accessories
PLIO rivets and SES rivet punches
PLIO lock stud



PLIO®

PLIO rivets and SES-GO rivet punches

For quick fastening of trunkings and other products. Manufactured in POM, PA6.6 and Polyamide 12. Materials with excellent dielectric properties.



type	article number black	article number natural	pack	bore Ø mm	riveting thickness (E)	material
PLIO-GT rivets						
GT 32 *	0635 0002 010	0635 0002 018	100	3,2	3-4	POM
GT 35	0635 0003 010	0635 0003 018	100	3,5	4-5	POM
GT 50 *	0635 0001 010	0635 0001 018	100	5	5-6	PA 12
GT 62 *	0635 0004 010	0635 0004 018	100	6,2	5-6	PA 12

*pre-mounted. Can be mounted without tool

PLIO-GS rivets

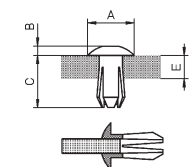
GS 40	0635 0011 010	0635 0011 018	100	4	3-6	PA6.6
GS 60	0635 0012 010	0635 0012 018	100	6	3-6	PA6.6

SES-GO rivet punch

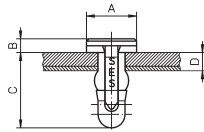
GO-1	0412 0001 000	1 Rivet punch for GT 32 & GT 35
GO-2	0412 0002 000	1 Rivet punch for GT 50 & GT 62
GO-3	0412 0003 000	1 Rivet punch for GS 40
GO-4	0412 0004 000	1 Rivet punch for GS 60



Dimensions



type	A	B	C
PLIO-GT rivets			
PLIO-GT 32	4,8	1,3	6,2
PLIO-GT 35	8	2	7
PLIO-GT 50	10	2	11
PLIO-GT 62	10	2	12

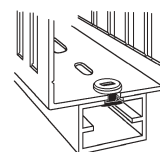


type	A	B	C
Rivets PLIO-GS			
PLIO-GS 40	7,5	2,5	13,2
PLIO-GS 60	11	3	16,5

PLIO GZ-01 lock stud for GK & GF trunkings in black Polyamide

Locking studs for fast fixing of trunking GK & GF to base plates or aluminium profiles.

type	article number	pack
Lock stud PLIO GZ-01		
GZ-01	0845 0901 010	100





PLIO GZ-02 clamping bracket for cable trunking in black Polyamide

for clamping to : symmetric metallic rail DIN 35 X7,5
 Rail 35 X 15 mm to NF EN 50022
 combined profile TE AMI-ED 20
 Telemecanique perforated base plate or similar

fixing to trunking : Rotation through 1/4 revolution on locking stud

grade : Polyamide 6.6

fire resistance : UL.94-VO

colour : black

weight : 10 g

pack : in plastic bags of 20 pieces.



type	article number	pack
Clamping bracket PLIO GZ-02		
Socle GZ 02	0845 0902 010	20

clamped to perforated plate



clamped to DIN rail



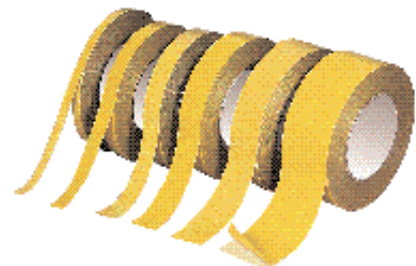
easily dismantled with screwdriver



PLIOBAND double-sided adhesive tape

For temporary fastening of trunkings. The double-sided adhesive tape* is attached to the base of the trunking, which is then temporarily held in position until final attachment is performed with plastic rivets (see previous page).

type	article number	pack	width mm	length m
PLIOBAND double-sided adhesive tape				
RA 9	0650 0201 000	1 roll	9 mm	50 m
RA 15	0650 0202 000	1 roll	15 mm	50 m
RA 19	0650 0203 000	1 roll	19 mm	50 m
RA 25	0650 0204 000	1 roll	25 mm	50 m
RA 30	0650 0205 000	1 roll	30 mm	50 m
RA 50	0650 0206 000	1 roll	50mm	50 m



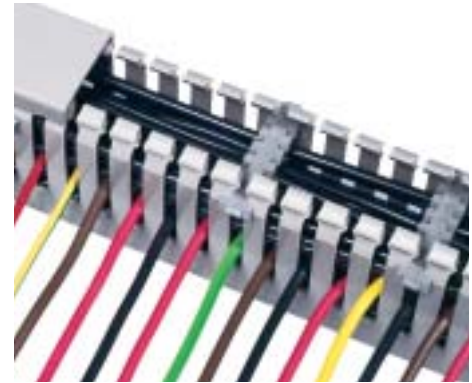
IMPORTANT Good adhesion with our products is achieved by a smooth, clean, dry and perfectly degreased surface, in general, we recommend preliminary tests.



The GX clips have 2 functions :

- keeping cables secured when trunking is mounted horizontally or vertically.
- ensuring easier lid fixing due to the oblique teeth supporting the trunking webs.
- easy assembly, the clip should be clamped between two webs on the appropriate trunking width.
- Material : grey polypropylene, flammability to UL94 V2. Technical properties : see page D100
- can be used on GF, GF-DIN and GK trunking.

type	article number	pack	width mm	length mm	thickness mm	for trunking height mm
GX retaining clips grey						
GX-1	0845 0917 013	50	9	147	2,5	≤ 75
GX-2	0845 0918 013	50	9	147	2,5	80-100



PLIO - GX-DIN A7/5 and GX-A6/4 bridging clips

GX-DIN A7/5 and GX-A6/4 bridging clips :

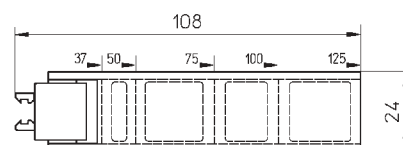
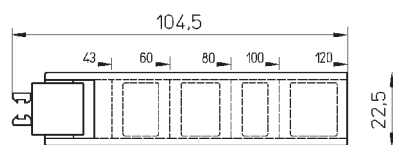
- stop cables from trailing in the horizontal and vertical trunking position.
- allow complete or partial change of cabling at any time without removal of clip.
- Type GX-DIN A7/5 for GF-DIN A7/5 trunking.
- Type GX-A6/4 for GF-A6/4 and GK-A6/4 trunking.
- clips are positioned between two webs with a locking device.
- clips are of universal use, they can be cut to the trunking width.
- It is advisable to position clamps every 20/30 cm on the trunking, by alternating the fixing side (see illustration below).
- material : black and grey non-flammable high-impact polystyrene. Technical properties : see page D100.

type	article number	pack	width mm	length mm
GX-DIN A7/5 clip, grey for GF-DIN A7/5 trunking				
GX-DIN A7/5	0845 0916 013	50	24	108



GX-A6/4 clip, black for GF-A6/4 42 to 60 mm height and GK-A6/4 trunking 45 and 66 mm height

GX-A6/4	0845 0915 010	50	22,5	105
----------------	---------------	----	------	-----

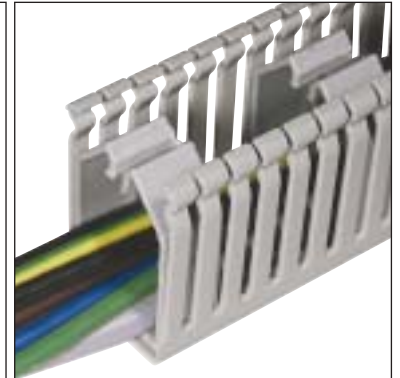




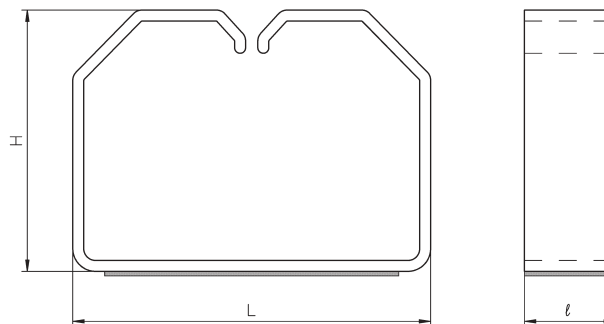
BR-GK

Material: PS choc AF
Temperature range: -40 to +70°C
Color: grey
Pack: bag
Specifications: flame resistant
 UL94 V2

Applications : for keeping cables secure while fixing them. Can be used with trunking with slots or plain. Our supports are delivered standard with double sided adhesive tape on the bottom allowing a definitive installation.



Type	art. no.	pack	for trunking	Dimensions in mm		
				L	H	I
Height 66 mm						
BR-GK 60 x 40	0844 0701 013	50	GK 60 x 40	39	57	20
BR-GK 60 x 60	0844 0702 013	50	GK 60 x 60	59	58	20
BR-GK 60 x 80	0844 0703 013	50	GK 60 x 80	79	58	20
BR-GK 60 x 100	0844 0704 013	50	GK 60 x 100	99	58	20
BR-GK 60 x 120	0844 0705 013	50	GK 60 x 120	118	57	20
Height 85 mm						
BR-GK 80 x 40	0844 0706 013	50	GK 80 x 40	39	77	20
BR-GK 80 x 60	0844 0707 013	50	GK 80 x 60	59	77	20
BR-GK 80 x 80	0844 0708 013	50	GK 80 x 80	79	77	20
BR-GK 80 x 100	0844 0709 013	50	GK 80 x 100	98	76	20
BR-GK 80 x 120	0844 0710 013	50	GK 80 x 120	119	77	20



C1/3-01



C2/3-01





Label holder PE

To identify cable outlets.

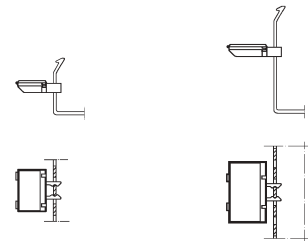
- Material :** transparent Polycarbonate and PVC.
One piece, with integrated locking cover.
- Pack :** 50 label holders and white card labels (150 g/m2)
Printed label holders are attached to the trunking webs.
Card labels protected, under the cover, from external conditions.
- Marking :** with a pen, type-written or printed.
As two web widths are available
(GF-A6/4, GK-A6/4 or GF-DIN7/5)
PLIO label holders are manufactured in two different sizes.



Trunking identified with PE



Label holder PE



Mounting schedule

type	article number	pack	label dimensions
Label holder PE for trunkings GF-A6/4 and GK-A6/4			
PE A6/4 26	0845 0912 018	50	25,5 x 13 mm
PE A6/4 38	0845 0913 018	50	38,0 x 19 mm
Label holder PE-DIN for trunkings GF-DIN-A7/5			
PE DIN A7/5 26	0845 0910 018	50	25,5 x 13 mm
PE DIN A7/5 38	0845 0911 018	50	38,0 x 19 mm

Label holder PLIO-15 and PLIO-30 - Supports PES

type	article number	pack	length mm	lid	dimensions in mm	
					A	B
PROFIL PLIO-15	0129 0010 000	20	1000	16	14	5,3
PROFIL PLIO-30	0129 0020 000	20	1000	31,5	29	5,6
Support PES for PROFIL PLIO-15 and PLIO-30						
Support PES	0845 0920 013	25	-	-	-	-

To identify cable outlets combined with PES supports.
Length 1 m, for cutting to desired length.
Complete with base, white cardboard strip and lid.
In 20 m bundles (20 profiles of 1 m) in polythene bags

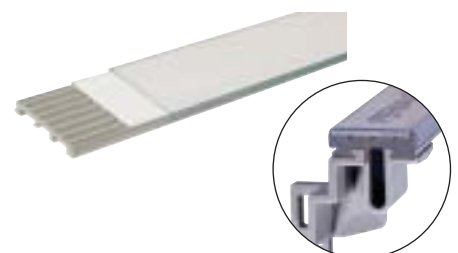
- Material :** **base:** grey rigid PVC (RAL 7030)
lid : transparent rigid PVC
label : white cardboard thickness 0,8 mm

- To mark cupboards, machines, switch boards etc.
Can be :
- screwed
 - glued (using hot melt type gun)
 - temporarily held with double sided adhesive tape

See catalogue page C3/1-02



Trunking identified with PES



Label holder PES

DC 125 Cutter for PVC trunkings



SES

For quick and clean cutting of SES trunkings with slots

DC 125 cutter cuts trunkings at true angles and avoids burring and expensive redressing.

Chip free cutting keeps your site clean.

No pollution or noise.

Due to a cam mechanism the DC 125 cuts with little effort.

The 1 m long length guide and stop allows cutting of high precision. This cutter must be bench mounted.

The blade in tungsten steel provides a cutting width of up to 125 mm.

The blade is supplied with an integrated guard giving total security

DC 125 cutters are TÜV approved.



Technical data DC 125

Cutting width	125 mm
Cutting length	max. 1000 mm
Dimensions (L x l x H)	1290 x 290 x 760 mm
Weight	10,5 kg

type	article number	pack
Cutter DC 125	0518 0960 000	1
Spare blade DC 10025	0518 0961 000	1



Installation trunking

SES - GI-A

plain with base punching



GI-A

Standard length :	2 metres Other lengths on request
Available :	without adhesive
Colour :	white RAL 9001 and grey RAL 7030
Minimum delivery :	1 packing unit
Material :	PVC (Grade 9051)
Technical properties :	see page D100

Installation trunkings series GI-A

Installation trunkings series GI-A are delivered with lids. In standard dimensions these trunkings are delivered without double-sided adhesive tape. Trunkings fitted with double-sided adhesive tape are separately priced (Article number : 0846 0903 000).



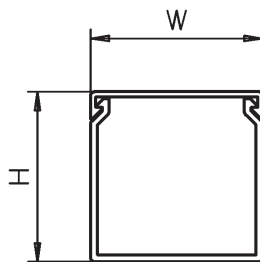
The adhesive tape allows temporary fastening before final attachment. Double-sided adhesive tape can be delivered in rolls of different widths (see page C3/1-4-02).

type	article number. colour white	article number. colour grey	pack	length	height* H mm	width* L mm
GI-A 15 x 15	0846 0570 001	0846 0570 013	100 m	2 m	16,5	17,5
GI-A 15 x 30	0846 0580 001	0846 0580 013	70 m	2 m	16,5	30,5
GI-A 25 x 40	0846 0590 001	0846 0590 013	48 m	2 m	27	40,5
GI-A 30 x 30	0846 0600 001	0846 0600 013	40 m	2 m	30	30,5
GI-A 40 x 40	0846 0610 001	0846 0610 013	36 m	2 m	40	40,5

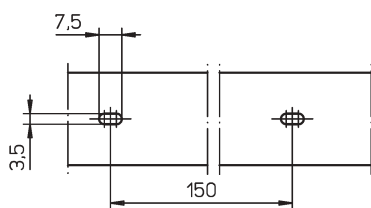


* outside dimensions

Cross section

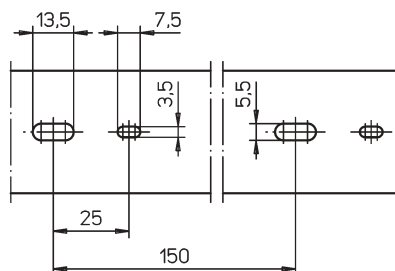


Base punching



Base punching for trunkings
GI-A 15x15, 15x30 and 30x30.

Base punching



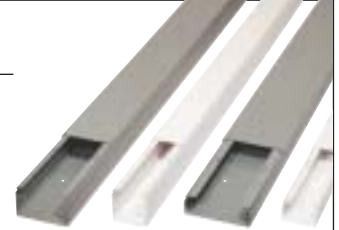
Base punching for trunkings
GI-A 25x40 and 40x40.



with base punching and carrier strapping bores

Standard length : 2 m (delivered with unmounted lid)
Minimum delivery : 1 packing unit
Colour : white RAL 9001 - grey RAL 7030 - ivory for video
Material : rigid PVC (grade 9051) - (grade 9058 for video)
Other technical properties : see page D100
Accessories : see page C4/5-01

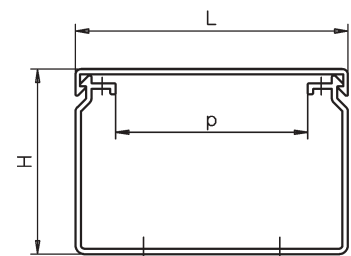
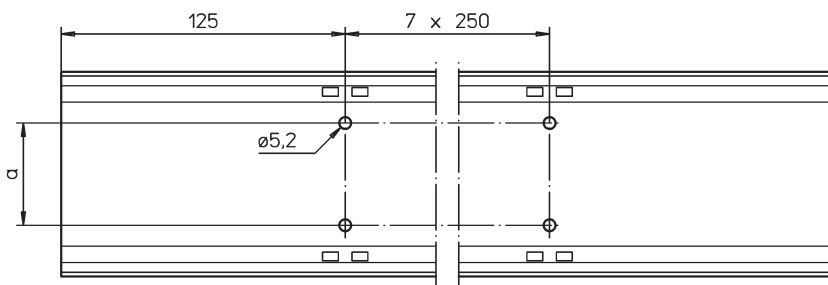
type	article number white	article number grey	pack	length	height* H mm	width* L mm	p mm	a mm	locking carrier type
GI-B trunking									
GI-B 40 x 60	0846 0620 001	0846 0620 013	24 m	2 m	40	57,5	28	15	BV 40
GI-B 40 x 90	0846 0635 001	0846 0635 013	24 m	2 m	40	90	63	45	BV 70
GI-B 40 x 110	0846 0650 001	0846 0650 013	12 m	2 m	40	110,5	68	50,5	BV 80
GI-B 60 x 60	0846 0710 001	0846 0710 013	24 m	2 m	61	57,5	28	15	BV 40
GI-B 60 x 90	0846 0730 001	0846 0730 013	24 m	2 m	61	90	63	45	BV 70
GI-B 60 x 110	0846 0755 001	0846 0755 013	12 m	2 m	61	110,5	68	50,5	BV 80



type	article number ivory	pack	length	height* H mm	width* L mm	p mm	a mm	locking carrier type
GI-VIDEO trunking								
GI-VIDEO 40 x 90	0846 0120 030	24 m	2 m	40	90	63	45	BV 70
GI-VIDEO 40 x 90	0846 0125 030	36 m	3 m	40	90	63	45	BV 70



* outside dimensions



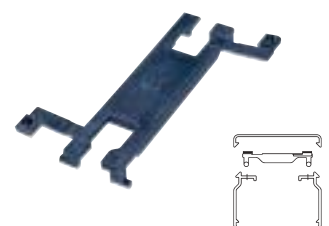
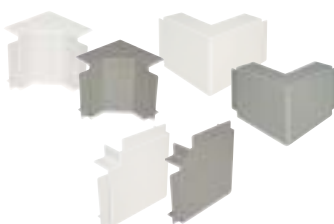
Accessories for GI-B trunking, see page C4/5-01

corners

Coupling pieces

end fittings

locking carrier





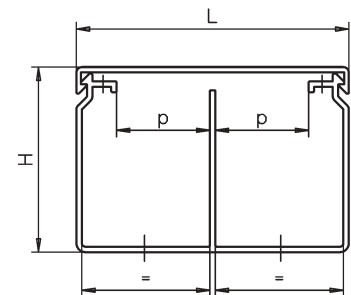
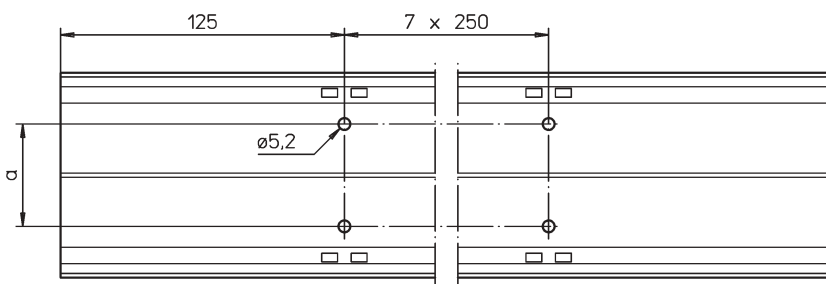
with base punching and carrier strapping bores

Standard length : 2 m (delivered with unmounted lid)
Minimum delivery : 1 packing unit
Colour : white RAL 9001 - grey RAL 7030
Material : rigid PVC (grade 9051)
Other technical properties : see page D100
Accessories : see page C4/5-01

type	article number white	article number grey	pack	length	height* H mm	width* L mm	p mm	a mm	locking carrier type
GI-C 40 x 60	0846 0630 001	0846 0630 013	24 m	2 m	40	57,5	13	15	BV 40
GI-C 40 x 90	0846 0640 001	0846 0640 013	24 m	2 m	40	90	31	45	BV 70
GI-C 60 x 60	0846 0720 001	0846 0720 013	24 m	2 m	61	57,5	13	15	BV 40
GI-C 60 x 90	0846 0740 001	0846 0740 013	24 m	2 m	61	90	31	45	BV 70

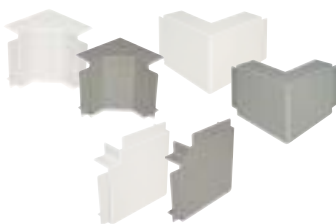


* outside dimensions



Accessories for GI-C trunking, see page C4/5-01

corners



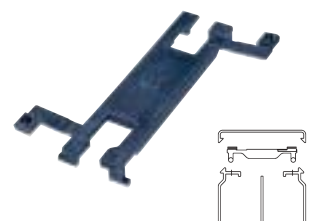
Coupling pieces



end fittings



locking carrier





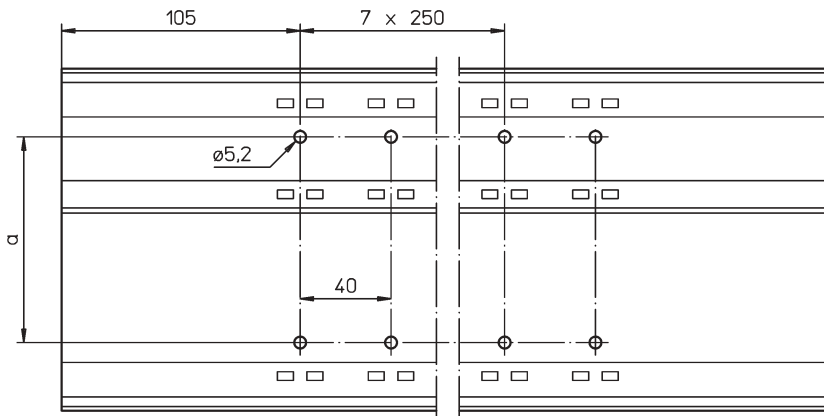
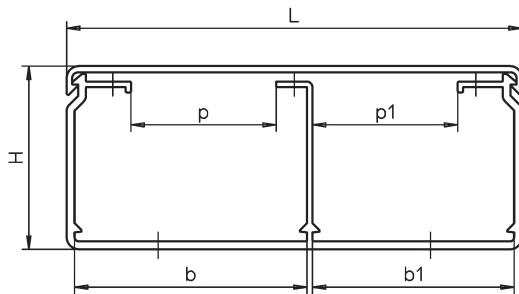
with base punching and carrier strapping bores

Standard length : 2 m (delivered with unmounted lid)
Minimum delivery : 1 packing unit
Colour : white RAL 9001 - grey RAL 7030
Material : rigid PVC (grade 9051)
Other technical properties : see page D100
Accessories : see page C4/5-01

type p1	article number b white mm	article number b1 grey mm	pack a mm	length	height* H mm	width* L mm	p mm
GI-D 40 x 110	0846 0660 001	0846 0660 013	12 m	2 m	40	110,5	28
28	47	57	50,5				
GI-D 60 x 110	0846 0760 001	0846 0760 013	12 m	2 m	61	110,5	28
28	47	57	50,5				

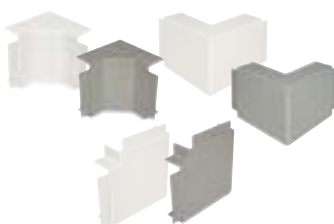
Locking carriers : 2 x BV 40.

* outside dimensions



Accessories for GI-D trunking, see page C4/5-01

corners



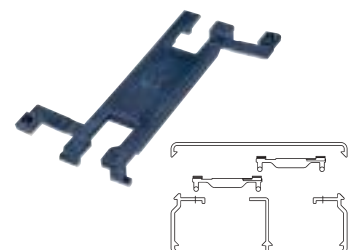
Coupling pieces



end fittings

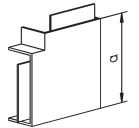
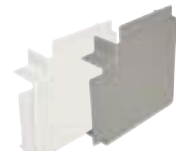
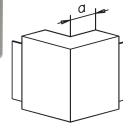
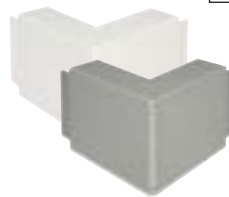
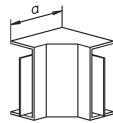
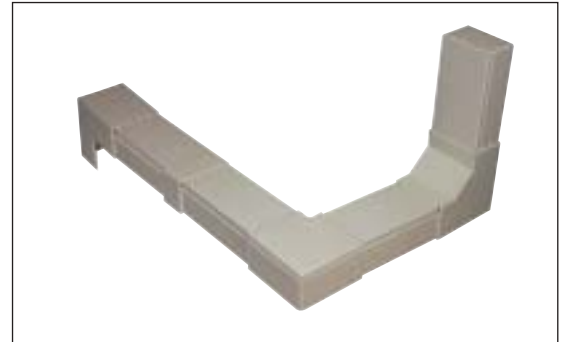


Locking carrier





SES-Sterling has developed a range of accessories in white 9001 and grey 7030 for installation trunking types GI-B, GI-C and GI-D : internal, external and flat corners ; coupling pieces ; end fittings ; locking carriers.



internal corners
pack: 1 piece

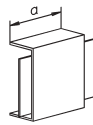
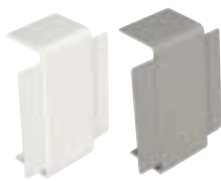
trunking	type	article number	article number. a mm		
			white		
			white	grey	
height 40 mm					
GI-B 40 x 60	0846 0620*	14-1185	0846 0802 001	0846 0802 013	89
GI-C 40 x 60	0846 0630*	14-1185	0846 0802 001	0846 0802 013	89
GI-B 40 x 90	0846 0635*	14-1186	0846 0803 001	0846 0803 013	109
GI-C 40 x 90	0846 0640*	14-1186	0846 0803 001	0846 0803 013	109
GI-B 40 x 110	0846 0650*	14-1187	0846 0804 001	0846 0804 013	109
GI-D 40 x 110	0846 0660*	14-1187	0846 0804 001	0846 0804 013	109
height 60 mm					
GI-B 60 x 60	0846 0710*	14-1134	0846 0811 001	0846 0811 013	110
GI-C 60 x 60	0846 0720*	14-1134	0846 0811 001	0846 0811 013	110
GI-B 60 x 90	0846 0730*	14-1103	0846 0812 001	0846 0812 013	130
GI-C 60 x 90	0846 0740*	14-1103	0846 0812 001	0846 0812 013	130
GI-B 60 x 110	0846 0755*	14-1108	0846 0813 001	0846 0813 013	130
GI-D 60 x 110	0846 0760*	14-1108	0846 0813 001	0846 0813 013	130

external corners
pack: 1 piece

trunking	type	article number	article number a mm		
			white		
			white	grey	
height 40 mm					
GI-B 40 x 60	0846 0620*	14-1142	0846 0822 001	0846 0822 013	69
GI-C 40 x 60	0846 0630*	14-1142	0846 0822 001	0846 0822 013	69
GI-B 40 x 90	0846 0635*	14-1121	0846 0823 001	0846 0823 013	89
GI-C 40 x 90	0846 0640*	14-1121	0846 0823 001	0846 0823 013	89
GI-B 40 x 110	0846 0650*	14-1123	0846 0824 001	0846 0824 013	89
GI-D 40 x 110	0846 0660*	14-1123	0846 0824 001	0846 0824 013	89
height 60 mm					
GI-B 60 x 60	0846 0710*	14-1139	0846 0831 001	0846 0831 013	48
GI-C 60 x 60	0846 0720*	14-1139	0846 0831 001	0846 0831 013	48
GI-B 60 x 90	0846 0730*	14-1100	0846 0832 001	0846 0832 013	68
GI-C 60 x 90	0846 0740*	14-1100	0846 0832 001	0846 0832 013	68
GI-B 60 x 110	0846 0755*	14-1106	0846 0833 001	0846 0833 013	68
GI-D 60 x 110	0846 0760*	14-1106	0846 0833 001	0846 0833 013	68

flat corners
pack: 1 piece

trunking	type	article number	article number a mm		
			white		
			white	grey	
height 40 mm					
GI-B 40 x 60	0846 0620*	14-1180	0846 0842 001	0846 0842 013	85
GI-C 40 x 60	0846 0630*	14-1180	0846 0842 001	0846 0842 013	85
GI-B 40 x 90	0846 0635*	14-1181	0846 0843 001	0846 0843 013	118
GI-C 40 x 90	0846 0640*	14-1181	0846 0843 001	0846 0843 013	118
GI-B 40 x 110	0846 0650*	14-1182	0846 0844 001	0846 0844 013	138
GI-D 40 x 110	0846 0660*	14-1182	0846 0844 001	0846 0844 013	138
height 60 mm					
GI-B 60 x 60	0846 0710*	14-1124	0846 0851 001	0846 0851 013	85
GI-C 60 x 60	0846 0720*	14-1124	0846 0851 001	0846 0851 013	85
GI-B 60 x 90	0846 0730*	14-1064	0846 0852 001	0846 0852 013	118
GI-C 60 x 90	0846 0740*	14-1064	0846 0852 001	0846 0852 013	118
GI-B 60 x 110	0846 0755*	14-1068	0846 0853 001	0846 0853 013	138
GI-D 60 x 110	0846 0760*	14-1068	0846 0853 001	0846 0853 013	138

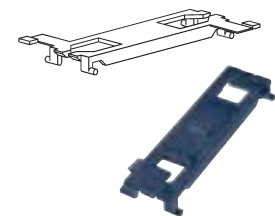


Coupling pieces
pack: 1 piece

trunking	type	article number	article number a mm		
			white		
			white	grey	
height 40 mm					
GI-B 40 x 60	0846 0620*	14-1243	0846 0972 001	0846 0972 013	50
GI-C 40 x 60	0846 0630*	14-1243	0846 0972 001	0846 0972 013	50
GI-B 40 x 90	0846 0635*	14-1245	0846 0973 001	0846 0973 013	50
GI-C 40 x 90	0846 0640*	14-1245	0846 0973 001	0846 0973 013	50
GI-B 40 x 110	0846 0650*	14-1247	0846 0974 001	0846 0974 013	50
GI-D 40 x 110	0846 0660*	14-1247	0846 0974 001	0846 0974 013	50
height 60 mm					
GI-B 60 x 60	0846 0710*	14-1242	0846 0981 001	0846 0981 013	50
GI-C 60 x 60	0846 0720*	14-1242	0846 0981 001	0846 0981 013	50
GI-B 60 x 90	0846 0730*	14-1244	0846 0982 001	0846 0982 013	50
GI-C 60 x 90	0846 0740*	14-1244	0846 0982 001	0846 0982 013	50
GI-B 60 x 110	0846 0755*	14-1246	0846 0983 001	0846 0983 013	50
GI-D 60 x 110	0846 0760*	14-1246	0846 0983 001	0846 0983 013	50

end fittings
pack: 10 pieces

trunking	type	article number	article number		
			white		
			white	grey	
height 40 mm					
GI-B 40 x 60	0846 0620*	14-1197	0846 0882 001	0846 0882 013	
GI-C 40 x 60	0846 0630*	14-1197	0846 0882 001	0846 0882 013	
GI-B 40 x 90	0846 0635*	14-1198	0846 0883 001	0846 0883 013	
GI-C 40 x 90	0846 0640*	14-1198	0846 0883 001	0846 0883 013	
GI-B 40 x 110	0846 0650*	14-1199	0846 0884 001	0846 0884 013	
GI-D 40 x 110	0846 0660*	14-1199	0846 0884 001	0846 0884 013	
height 60 mm					
GI-B 60 x 60	0846 0710*	14-1261	0846 0891 001	0846 0891 013	
GI-C 60 x 60	0846 0720*	14-1261	0846 0891 001	0846 0891 013	
GI-B 60 x 90	0846 0730*	14-1262	0846 0892 001	0846 0892 013	
GI-C 60 x 90	0846 0740*	14-1262	0846 0892 001	0846 0892 013	
GI-B 60 x 110	0846 0755*	14-1263	0846 0893 001	0846 0893 013	
GI-D 60 x 110	0846 0760*	14-1263	0846 0893 001	0846 0893 013	



locking carrier
pack: 25 pieces
article number

type	black
BV-40	0846 0511 010
BV-70	0846 0501 010
BV-80	0846 0521 010

* available in grey (013) and white (001)



Standard length :	2 metres (with hinged lid) Other lengths upon request
Available :	plain without adhesive or with double-sided adhesive foam tape
Colour :	white
Minimum delivery :	1 packing unit : PVC (Grade 9057)
Other technical properties :	see page D100

SES installation trunking - GI-M miniature

GI-MINI miniature trunkings are extruded in one piece. They are available with hinged lid and with or without adhesive foam tape. Foam tape is ideal for absorbing the irregularities on uneven surfaces. For some applications, we recommend further attachment with screws and wall plugs.

SES installation trunking - GI-M miniature with hinged lid and base punching

type number	article	pack	length H mm	height*	width* W mm	weight per m	base punching Ø in mm
"MINI" installation trunkings - GI-M plain, white, without adhesive tape							
GI-M 5 x 10	0846 0910 001	48 m	2 m	6	11	32 g	2,2
GI-M 7 x 12	0846 0920 001	48 m	2 m	8	13	50 g	2,2
GI-M 10 x 10	0846 0930 001	48 m	2 m	11	11	62 g	2,2
GI-M 10 x 15	0846 0940 001	48 m	2 m	11	16	73 g	3,2
GI-M 15 x 15	0846 0950 001	48 m	2 m	16	16	100 g	3,2

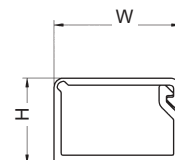
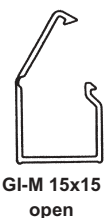
Double-sided adhesive foam tape

GI-foam 6	0650 0207 000	1 rlx	11 m	for	GI-M 5x10 ; 7x12 ; 10x10
GI-foam 9	0650 0208 000	1 rlx	11 m	for	GI-M 10x15 ; 15x15

"MINI" installation trunkings - GI-M foam series, white, with double-sided adhesive foam tape

GI-M 5 x 10 T	0846 0911 001	48 m	2 m	6	11	33 g	2,2
GI-M 7 x 12 T	0846 0921 001	48 m	2 m	8	13	51 g	2,2
GI-M 10 x 10 T	0846 0931 001	48 m	2 m	11	11	63 g	2,2
GI-M 10 x 15 T	0846 0941 001	48 m	2 m	11	16	75 g	3,2
GI-M 15 x 15 T	0846 0951 001	48 m	2 m	16	16	102 g	3,2

* outside dimensions

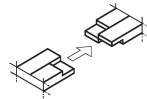


GMF

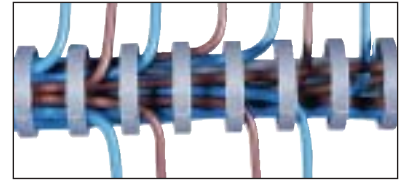
Length: 50 cm
Material: Polypropylene
Operating temperature: -30 to +90°C
Flame resistance: self-extinguishing
Specifications : UL94 V2



GY
(013)



Two or several lengths can be joined by snapping the ends together.



Applications : PLIOFLEX is a flexible cable trunking system for use in control panels, distribution boards, or in difficult to reach areas.



• in boxes

type	article number	pack
without adhesive tape		
GMF-20	0847 0020 013	60
GMF-30	0847 0030 013	36
GMF-40	0847 0040 013	24

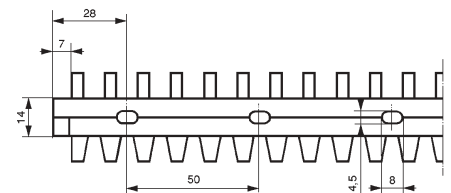
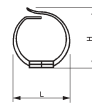
• in packs

type	article number	pack
without adhesive tape		
GMF-20 SB	0847 0025 013	2
GMF-30 SB	0847 0035 013	2

with adhesive tape

GMF-20T	0847 0120 013	60
GMF-30T	0847 0130 013	36
GMF-40T	0847 0140 013	24

GMF-20T SB	0847 0125 013	2
GMF-30T SB	0847 0135 013	2



We recommend attachment with screws : M4 with cheese head (DIN 84A) and washer or M4 with flat head (DIN 85 A) and washer.

FXD

Length: 50 cm
Material: Polypropylen
Operating temperature: -20 to +80°C
Flame resistance: self-extinguishing
Specifications : UL94 V2

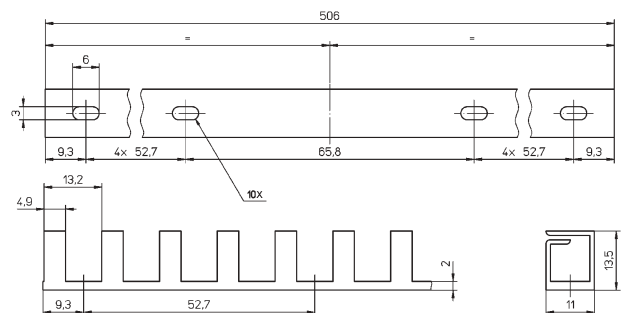


WH
(001)



• in boxes

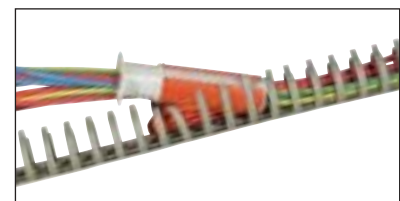
type	article number	pack
without adhesive tape		
FXD-10	0588 0010 001	100



We recommend attachment with screws : M3 with cheese head (DIN 84A) and washer or M3 with flat head (DIN 85 A) and washer.

Application:

- Attach the cable trunking - webs turned upwards, connect one cable end and laterally insert the cable up to the requested branch point, connect the opposite cable end.
- We recommend the Pliozip tool (see page A5/4-01) for the inserting of cables.
- We also recommend SES-marker rings for the identification of your cables.



Attachment:

- with screws, using the DIN standard base punching.
- by the adhesive on the T type using a smooth, dry, clean and degreased surface (do not touch the adhesive). The assembly temperature must be above 10°C.

PLIO cable clips - XE

for cable routing

Grades : XE cable clips in natural Polyamide
XE cable clips in black Polypropylene



SES-XE

XE cable clips can be used in addition to or instead of cable trunking and are above all recommended when there are many cable branchings or difficult access. XE clips allow clear access and achieve open installation. Unlike cable ties, XE clips permit adjustment or modification of cabling at any time, they are ideal for prototype installations.

XE clips are available in natural Polyamide (PA) and in black Polypropylene (PP).

For technical characteristics on Polyamide (PA) and Polypropylene (PP), see page D100.

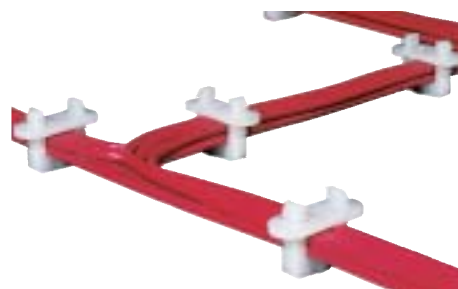
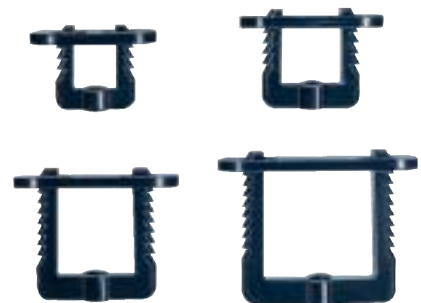
XE cable clips in natural Polyamid

type	article number	pack	clamping capacity	width	height range	
			max. approx.		min.	max.
XE 13	0136 0001 018	100	140 mm ²	13 mm	2 mm	11 mm
XE 18	0136 0002 018	100	250 mm ²	18 mm	2 mm	14 mm
XE 23	0136 0003 018	100	500 mm ²	22 mm	2 mm	23 mm
XE 33	0136 0004 018	100	920 mm ²	32 mm	5 mm	29 mm



XE cable clips in black Polypropylene

type	article number	pack	clamping capacity	width	height range	
			max. approx.		min.	max.
XE 13 PP	0136 0021 010	100	140 mm ²	13 mm	2 mm	11 mm
XE 18 PP	0136 0022 010	100	250 mm ²	18 mm	2 mm	14 mm
XE 23 PP	0136 0023 010	100	500 mm ²	22 mm	2 mm	23 mm
XE 33 PP	0136 0024 010	100	920 mm ²	32 mm	5 mm	29 mm

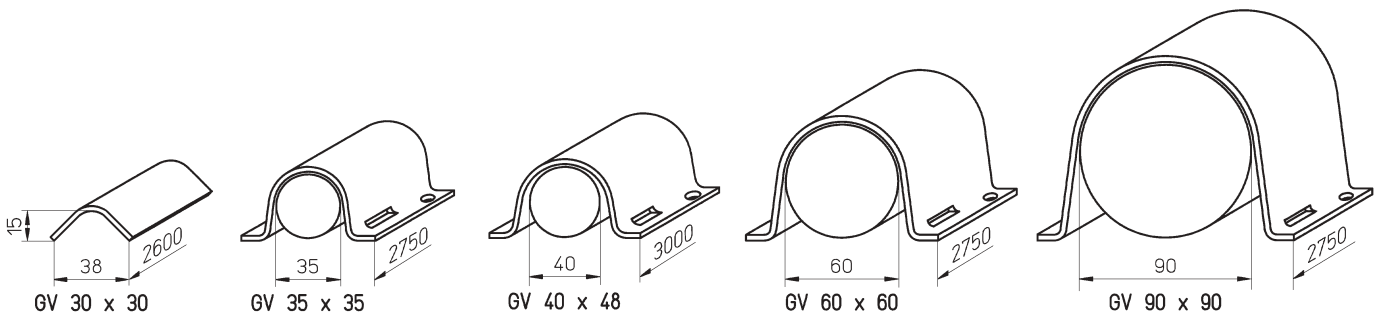
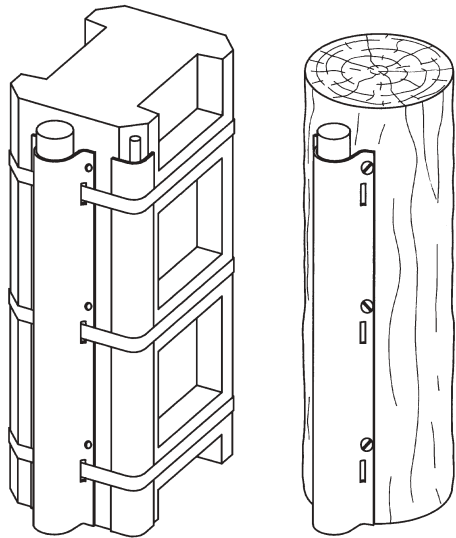


PLIOLINE protection channel for underground cables and utility poles



PLIOLINE

Grade : rigid PVC 9057 (technical properties page D100)
GREY colour to Standard NF X 08-002/A625 and approximating RAL 7001
brown and ivory upon request according to quantity



type	brown (BN)	grey (GY)	ivory (IY)	pack	length mm	max. capacity cable of	H mm	L mm	N° EDF	use
------	------------	-----------	------------	------	--------------	---------------------------	---------	---------	--------	-----

PLIOLINE protection channel - brown (006), grey (013) and ivory (030)

type	0806 0041 006	0806 0041 013	0806 0041 030	pack	length mm	max. capacity cable of	H mm	L mm	N° EDF	use
GV 30 x 30	0806 0041 006	0806 0041 013	0806 0041 030	10	2600	Ø 7 mm	17,5	42	68.80.535	earth cable
GV 35 x 35	0806 0043 006	0806 0043 013	0806 0043 030	5	2750	Ø 35 mm	38	68	68.80.540	Protection for underground connections
GV 40 x 48	0806 0042 006	0806 0042 013	0806 0042 030	5	3000	Ø 40 mm	41	77		
GV 60 x 60	0806 0044 006	0806 0044 013	0806 0044 030	5	2750	Ø 60 mm	63	98	68.80.542	
GV 90 x 90	0806 0045 006	0806 0045 013	0806 0045 030	5	2750	Ø 90 mm	93	131	68.80.544	

PLIOLINE channel for the protection of underground to surface cables (earth, BT, MT) is attached to concrete or wooden poles with stainless steel strips or screws.

PLIOLINE channel is manufactured in rigid PVC to technical specification EDF HN 60 S 02.

PLIOLINE channel is slotted and drilled ready to fix.

Only the section for earth cables is plain (no bores, no slots) and should be attached with strip GV 30 x 30.

A detailed layout can be delivered upon request.

Other lengths with other punching terminals or special colours from 500 lengths plus price upon request.



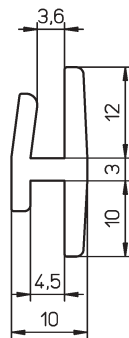
AP 4

Material: PVC (quality 9057)
Operating temperature: -20 to +60°C
Colour: grey
Pack: lengths of 1 m
Specifications : UL94 V0

Applications : Profile used for switch boards and panels, specially adapted for assembling two protection screens.



type	art. nr.	pack
AP 4	0843 0010 049	10 m



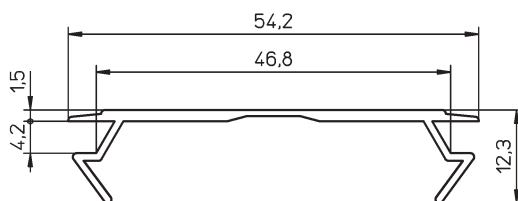
AA 45

Material: PVC (quality 9057)
Operating temperature: -20 to +60°C
Colour: grey
Pack: lengths of 1 m
Specifications : UL94 V0

Applications : Cover profile for switch boards and electrical panels.



type	art. nr.	pack
AA 45	0843 0020 049	10 m



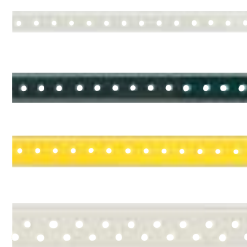


PLIO perforated strapping is designed to neatly bind cables, conductors, wires and tubes, etc. Hole punched at regular intervals, the strapping is fixed with small plastic studs (see below). The material is extremely flexible and allows bundle fastening virtually to any degree of tightness. Usually with small diameter bundles a single stud will suffice but for larger diameters two studs should be used on successive punching. PLIO strapping is available in black, yellow and transparent as indicated below

Technical characteristics :

Material :	strapping	flexible PVC
	stud	Polystyrene - Polyamide - Polyethylene (with conical end for easier application)
Colours :	strapping	Black and transparent (yellow in another grade)
	stud	black - grey and natural (according to grade)

type	article number	pack	width mm	studs to use
PLIO strapping				
PLIO strapping 8 black	0811 0001 010	50 m	8	No. 1 or 4
PLIO strapping 8 transparent	0811 0001 011	50 m	8	No. 1 or 4
PLIO strapping 12 black	0811 0002 010	50 m	12	No. 2, 2bis, 4
PLIO strapping 12 transparent	0811 0002 011	50 m	12	No. 2, 2bis, 4
PLIO strapping 20 black	0811 0003 010	50 m	20	No. 3
PLIO strapping 20 transparent	0811 0003 011	50 m	20	No. 3



PLIO strapping for outdoor use				
PLIO strapping 8 yellow	0821 0005 004	50 m	8	No. 1 or 4
PLIO strapping 12 yellow	0821 0006 004	50 m	12	No. 2, 2bis, 4
PLIO strapping 20 yellow	0821 0007 004	50 m	20	No. 3



Fixing studs in Polystyrene				for strappings
Studs No. 1 PS black	0103 0001 010	500*	8 mm	
Studs No. 2 PS black	0103 0002 010	500*	12 mm	
Studs No. 2bis PS black	0103 0003 010	500*	12 mm	
Studs No. 3 PS black	0103 0004 010	500*	20 mm	



Fixing studs in Polyamide				for strappings
Studs No. 1 PA black	0104 0009 010	500	8 mm	
Studs No. 2bis PA black	0104 0010 010	500	12 mm	
Studs No. 4 PA black	0104 0007 010	500	8 et 12 mm	

Mounting bases in black high impact polystyrene				for strappings
Base S 8	0112 0002 010	100	8 mm	
Base S 12	0112 0003 010	100	12 mm	



Stud tool for studs No. 1 - 2 - 2bis and 3				for studs
Tool 2061	0408 0001 000			1 - 2 - 2bis - 3



PLIO perforated strapping 40 mm for bundling of movable sleeves and cable harnesses with wider diameter



PLIO

Perforated strapping 40 mm has been designed to bind and fasten pneumatic sleeves and electric cable harnesses, which are continuously moving and vibrating (in wagons, trains, tracks, lifts and robots etc.)

Due to its width, softness and flexibility perforated strapping 40 mm reduces and avoids violent pressure, friction and abrasion at the sleeves or harnesses. The strapping is fixed with studs No. 3 in Polyamid, black.

Available in packs of 25 m.

With the quantity of studs the degree of tightness can be determined

Black strapping for outdoor use.

Tightness of strapping :

- with 2 studs : 25 daN
- with 4 studs : 50 daN
- with 4 studs : 100 daN (on firm bundles)

Dimensions :

strapping : 40 mm x 1,70 mm

Material :

strapping : flexible PVC (grade 9832)
studs No. 3 : Polyamid

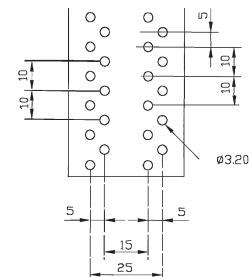
Colours :

strapping : transparent
or
black (for outdoor use too)
studs : black

type	article number	pack	width mm	studs to use
PLIO perforated strapping				
PLIO-strapping 40 transparent	0811 0005 011	25 m	40	No. 3
PLIO perforated strapping for outdoor use				
PLIO strapping 40 black	0811 0005 010	25 m	40	No. 3
PLIO fixing studs in Polyamid		for strapping		
studs No. 3 PA black	0104 0006 010	500 pieces	40 mm	



Studs No. 3



distance between holes



how to mount



how to fix a movable bundle



Perforated strapping 40 mm

PLIO reinforced strapping PA-E in polyamide

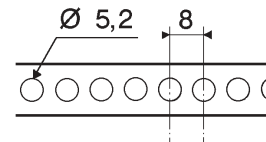


PLIO

The PA-E punched strapping in polyamide can be distinguished by its mechanical and heat resistance. Used for underground cables and conduits and cables of large diameters, PLIO strapping can also be utilised for cable bundles or piping.

Technical characteristics :

Material :	Polyamide
Colour :	black
Tensile strength between 2 punchings :	approx. 65 daN
Elongation at break :	3 %
Temperature range :	+ 110°C - 40°C



type	article number	pack	width mm
------	----------------	------	----------

PLIO strapping PA-E

Strapping PA-E 12 black	0830 0001 010	50 m	12
-------------------------	---------------	------	----

Polyamide studs for strapping PA-E

Stud no. 5 black	0104 0008 010	500
------------------	---------------	-----

HELAVIA strapping in black nitrile rubber

This punched nitrile rubber strapping can be used to fix large cables, piping or conduits. The strapping is elastic, extremely flexible and easy to apply using studs no. 3 fixed through the perforations.

Technical properties:

Material :	nitrile rubber
Colour :	black
Tensile strength :	> 14 MPa
Tear resistance :	approx. 50 KN/m
Elongation :	400 %
Shore hardness A :	85
Temperature range :	-20°C to + 85°C

Chemical resistance :

- good resistance to solvents
- good resistance to ozone
- good resistance to ageing



type	article number	pack	width mm	fixing bores
------	----------------	------	----------	--------------

HELAVIA nitrile rubber strapping

Strapping 10 mm	0208 0001 010	10 m	10	Ø 2mm
Strapping 15 mm	0208 0002 010	10 m	15	Ø 2mm
Strapping 20 mm	0208 0003 010	10 m	20	Ø 2mm
Strapping 25 mm	0208 0004 010	10 m	25	Ø 2mm

Polyamide studs for nitrile rubber strapping

Stud no. 3 PA black	0104 0006 010	500
---------------------	---------------	-----

PLIO - FIX strappings and supports in flexible PVC



PLIO

The punched strapping in transparent flexible PVC is used with supports to firmly tie down wires and cables. Supports are of tough polyamide with a central hole for screw fixing.

Technical characteristics :

Strapping material : flexible PVC
Colours : transparent
Tensile strength : 25 MPa
Elongation at break : 300 %
Dielectric constant : 4
Dielectric strength : 20 kV/mm
Temperature range : - 15 to + 80°C
Chemical resistance : Good resistance to ozone
 Good resistance to ageing
Fixing support material : black Polyamide
Temperature range : - 20 to + 85°C



type	article number	pack	containing
FIX strapping			
Set FB140	0106 0001 000	1 set	50 supports + 5m FIX strapping
Set FB120	0814 0001 011	1 set	2 x 50m FIX strapping



ABSA lacing cord in wax impregnated polyamide



ABSA

ABSA nylon lacing cords are formed as a slightly rounded mass of continuous filaments which flatten, form a tight knot and will not penetrate insulations. Use of this type of cord eliminates the inconvenience and dangers of cuts and weals to operators' fingers usually experienced with the round mono-filament type cords.

- Material :** continuous filaments
6 denier impregnated with 30 to 35% wax.
- Colour :** natural
- Elongation at break :** 10 to 40 %
- Melting point :** 76 - 84 (ASTM D 127)
- Chemical resistance :** good resistance to micro-organisms, ozone and ageing.



type	article number	pack	length per bobbin	width x thickness cord mm	tensile strength	denier
Small bobbins - natural						
ABSA 2/840 PB	0643 0060 001	18 bobbins	66 m	1,1 x 0,3	13 daN	1880
ABSA 3/840 PB	0643 0061 001	18 bobbins	45 m	1,2 x 0,4	19 daN	2800
ABSA 4/840 PB	0643 0062 001	18 bobbins	33 m	1,3 x 0,5	26 daN	3700
ABSA 6/840 PB	0643 0063 001	18 bobbins	22 m	1,4 x 0,6	39 daN	5600
Standard bobbins - natural						
ABSA 2/840 B	0643 0001 001	12 bobbins	200 m	1,1 x 0,3	13 daN	1880
ABSA 3/840 B	0643 0002 001	12 bobbins	200 m	1,2 x 0,4	19 daN	2800
ABSA 4/840 B	0643 0003 001	12 bobbins	200 m	1,3 x 0,5	26 daN	3700
ABSA 6/840 B	0643 0004 001	6 bobbins	200 m	1,4 x 0,6	39 daN	5600
Large bobbins - natural						
ABSA 2/840 RB	0643 0030 001	12 bobbins	500 m	1,1 x 0,3	13 daN	1880
ABSA 3/840 RB	0643 0031 001	6 bobbins	500 m	1,2 x 0,4	19 daN	2800
ABSA 4/840 RB	0643 0032 001	6 bobines	500 m	1,3 x 0,5	26 daN	3700



SES - CM miniature "P" cable clamps
SES - CU universal "P" cable clamps
in black polyamide



SES

SES - CM miniature "P" cable clamps
in black polyamide - for Ø 3 to 7,5 mm

Adjustable miniature cable clamps type CM are ideal for fixing cables and cable bundles. Made of polyamide, CM cable clamps offer good mechanical resistance and excellence resistance to corrosion; fixing can be made with our nylon screws (see page C10/30).

Material : Polyamide 6
Colour : black
Capacity : 3 to 7,5 mm according to type



type	article number	pack	clamping Ø	number and Ø of holes
SES-CM miniature clamps				
Clamp CM-1	0109 0001 010	100	4,5 and 6 mm	2 x 3 mm
Clamp CM-2	0109 0002 010	100	4,5-5,25 and 6 mm	3 x 3 mm
Clamp CM-3	0109 0003 010	100	3-5,5 and 7,5 mm	3 x 4 mm



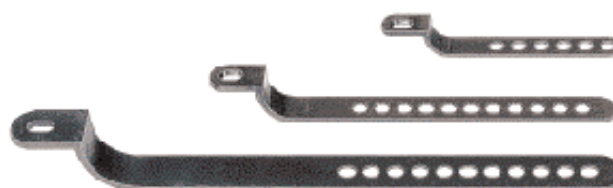
SES - CU universal "P" cable clamps
in black polyamide - for Ø 6 to 50 mm

Based upon the same principle as CM above, CU clamps cover a wider range of bundle diameters. Made of polyamide, they offer good mechanical resistance and excellent resistance to corrosion, and can be fixed with our nylon screws (see page C10/30).

Material : Polyamide 6
Colour : black
Capacity : 6 to 50 mm according to type



type	article number	pack	clamping Ø	number and Ø of holes
SES-CU universal clamps				
Clamp CU-18	0110 0001 010	100	6 to 18 mm	6 x 5 mm
Collier CU 36	0110 0002 010	100	7,5 to 36 mm	11 X 5 mm
Collier CU 50	0110 0003 010	50	25 to 50 mm	11 x 5 mm



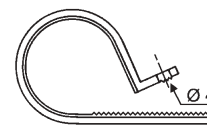


Plain SES - CX 'P' clips - for Ø 4,5 to 35 mm

- 40 to + 130°C

SES-CX moulded "P" clips can clamp a wide range of cable diameters as they are equipped with adjustable slots. The ability to clamp bundles of diameter 4,5 to 35 mm with only 6 sizes. demonstrate their versatility. Good resistance to ageing, ozone, UV radiation and corrosion.

Material : Polyamide
Colour : black



type	article number	pack	clamping Ø	width mm
Plain SES - CX clamps				
CX-6	0114 0001 010	100	4,5 - 6,5 mm	13
CX-9	0114 0002 010	100	6 - 9 mm	13
CX-13	0114 0003 010	100	7,5 - 13 mm	13
CX-21	0114 0004 010	100	13 - 21 mm	13
CX-28	0114 0005 010	100	21 - 28 mm	13
CX-35	0114 0006 010	100	28 - 35 mm	13



SES - CX rubber sleeved "P"clips - for Ø 1 to 32 mm

- 10 to + 120°C

This version will be found indispensable for clamping sensitive equipment or elements subjected to vibration. Good resistance to ageing, ozone, UV radiation and corrosion.

Clamp material : Polyamide
Sleeving : Polychloroprene (neoprene)
Colour : black



type	article number	pack	clamping Ø	width mm
SES - CX neoprene sleeved 'P' clips				
CX-6 rubber	0114 0021 010	100	1 - 5 mm	13
CX-9 rubber	0114 0022 010	100	4 - 7 mm	13
CX-13 rubber	0114 0023 010	100	7 - 11 mm	13
CX-21 rubber	0114 0024 010	100	10 - 17 mm	13
CX-28 rubber	0114 0025 010	100	13 - 24 mm	13
CX-35 rubber	0114 0026 010	100	20 - 32 mm	13

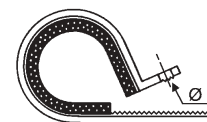


SES - CX 'P' clips with foam coating - for Ø 1 to 32 mm

- 40 to 70°C

Another variation of the above but providing the ultimate cushioning of fragile or sensitive pipes or conductors. Good resistance to ageing, ozone, UV radiation and corrosion.

Clamp material : Polyamide
Coating : neoprene foam
Colour : black



type	article number	pack	clamping Ø	width mm
SES-CX 'P' clips with foam coating				
CX-6 foam	0114 0031 010	100	1 - 5 mm	13
CX-9 foam	0114 0032 010	100	2 - 7 mm	13
CX-13 foam	0114 0033 010	100	5 - 12 mm	13
CX-21 foam	0114 0034 010	100	6 - 17 mm	13
CX-28 foam	0114 0035 010	100	13 - 24 mm	13
CX-35 foam	0114 0036 010	100	20 - 32 mm	13



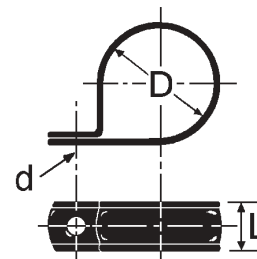


SES-CV "P" clips in grey PVC - for Ø 3 to 50 mm - 20 to + 65°C

CV and CN "P" clips are extruded and preformed to give a very economically priced clamp for everyday use - range 3 to 50 mm. They offer good resistance to ageing, corrosion, ozone and UV radiation.

They can be attached with our plastic screws and nuts (see page C10/30).

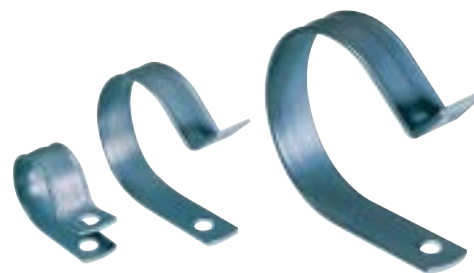
Material : rigid PVC
Colour : grey



type	article number	pack	i.d. Ø D mm	width L mm	bore Ø d mm
------	----------------	------	----------------	---------------	----------------

SES-CV clamps in PVC

CV 3	0118 0001 013	100	3	7	3
CV 5	0118 0002 013	100	5	7	3
CV 6	0118 0003 013	100	6	7	3
CV 7	0118 0004 013	100	7	12	5
CV 8	0118 0005 013	100	8	12	5
CV 9	0118 0006 013	100	9	12	5
CV 10	0118 0007 013	100	10	12	5
CV 12	0118 0008 013	100	12	12	5
CV 14	0118 0009 013	100	14	12	5
CV 16	0118 0010 013	100	16	12	5
CV 18	0118 0011 013	100	18	12	5
CV 20	0118 0012 013	100	20	12	5
CV 22	0118 0013 013	100	22	12	5
CV 24	0118 0014 013	100	24	12	5
CV 26	0118 0015 013	100	26	12	5
CV 28	0118 0016 013	100	28	12	5
CV 30	0118 0017 013	50	30	12	5
CV 34	0118 0018 013	50	34	12	5
CV 38	0118 0019 013	50	38	16	5
CV 42	0118 0020 013	50	42	16	5
CV 46	0118 0021 013	50	46	16	5
CV 50	0118 0022 013	50	50	16	5



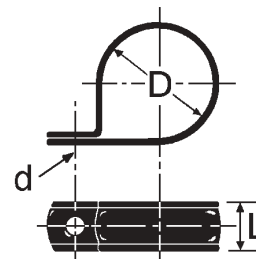


SES - CN "P" clips in black Polyamide - for Ø 3 to 50 mm - 40 to + 130°C

These extruded and preformed "CN" clips will clamp wires or wires bundles of 3 to 50 mm diameter. They offer good resistance to ageing, corrosion, ozone and UV radiation, and good dielectric properties.

They can be attached with our plastic screws and nuts (see page C10/30).

Material : Polyamide 6
Colour : black



type	article number	pack	i.d. Ø D mm	width L mm	bore Ø d mm
------	----------------	------	----------------	---------------	----------------

SES-CN cable clamps in Polyamide

CN 3	0120 0001 010	100	3	7	3
CN 5	0120 0002 010	100	5	7	3
CN 6	0120 0003 010	100	6	7	3
CN 7	0120 0004 010	100	7	12	5
CN 8	0120 0005 010	100	8	12	5
CN 9	0120 0006 010	100	9	12	5
CN 10	0120 0007 010	100	10	12	5
CN 12	0120 0008 010	100	12	12	5
CN 14	0120 0009 010	100	14	12	5
CN 16	0120 0010 010	100	16	12	5
CN 18	0120 0011 010	100	18	12	5
CN 20	0120 0012 010	100	20	12	5
CN 22	0120 0013 010	100	22	12	5
CN 24	0120 0014 010	100	24	12	5
CN 26	0120 0015 010	100	26	12	5
CN 28	0120 0016 010	100	28	12	5
CN 30	0120 0017 010	50	30	12	5
CN 34	0120 0018 010	50	34	12	5
CN 38	0120 0019 010	50	38	16	5
CN 42	0120 0020 010	50	42	16	5
CN 46	0120 0021 010	50	46	16	5
CN 50	0120 0022 010	50	50	16	5



SES - SP clamps with adhesive base in black Polyamide



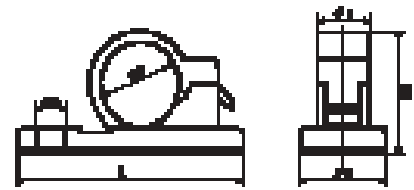
SES

- 40 to + 80°C

Can be fixed by adhesive base and/or M4 screws. SP can be re-opened using a screwdriver blade.

Always ensure adhesive articles are used on a clean, dry and smooth surface.

Material : Polyamide
Colour : black
Adhesive : adhesive foam protected by release paper



type	article number	pack	dimensions in mm					
			Ø D	Ø B	L	H	I 1	I 2
SES-SP clamps with adhesive base								
SP - 06	0686 0210 010	100	6	4,4	25,5	13	7,6	13
SP - 09	0686 0220 010	100	9	4,4	28,2	15,5	8	13
SP - 12	0686 0230 010	100	12	4,4	34	19,5	11,5	16,5
SP - 14	0686 0240 010	100	14	4,4	36,4	20,5	11,5	16,5
SP - 16	0686 0250 010	100	16	4,4	38	21	12	16,5
SP - 18	0686 0260 010	100	18	4,4	41,5	25	11,5	16

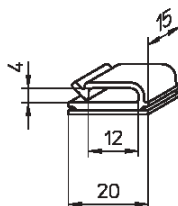
SES-CT adhesive miniature clamp in grey polystyrene

To guide and route wires etc... Always ensure adhesive articles are used on a clean, dry and smooth surface.

Available : in 10 carriers of 10 pre-cut cable clamps
Material : High impact Polystyrene
Colour : grey
Adhesive : adhesive foam protected by release paper



type	article number	pack
SES-CT miniature clamp	0711 0001 013	100



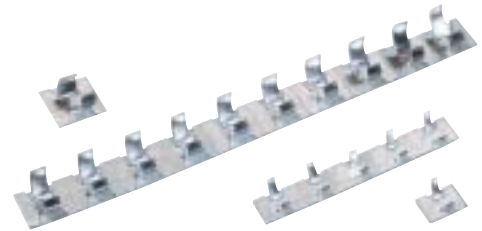
SES - GFB adhesive cable clamps in aluminium - for Ø 6 to 10 mm



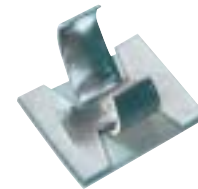
SES GFB
- 40 to + 70°C

SES-GFB cable clamps are ideal when plastic clamps cannot be used. They are of little bulk and hold wires or cables by manual locking (no tool). They are easy to fix when conditions concerning adhesive supports are respected (see below).

Material : Aluminium
Adhesive : adhesive foam protected by a film
Adhesion : 0,7 N/cm² (e.g. on stainless steel)
Colour : natural Alu



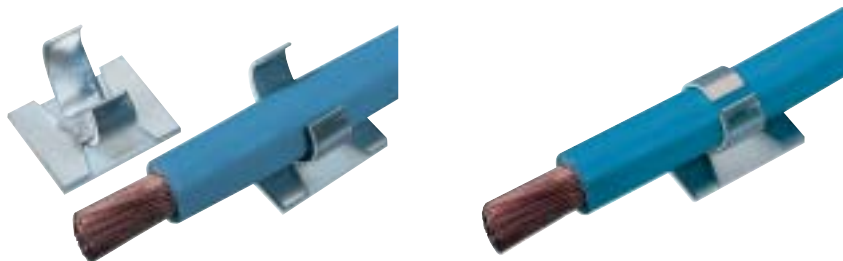
type	article number	pack	capacity Ø maxi	base dimension
GFB adhesive cable clamp				
GFB - 6	0711 0010 000	500	6 mm	11 x 16 mm
GFB - 10	0711 0020 000	500	10 mm	16 x 19 mm



IMPORTANT Good adhesion with our products is achieved by a smooth, clean, dry and perfectly degreased surface of the substrate and when the adhesive is not touched.

In general, we recommend preliminary tests.

For self-adhesive products, we can give no guarantee.



SES set screws in natural Polyamide 6/6

I.S.O. thread - slotted hexagon head



SES

Set screws in polyamide are ideal for fixing cable clamps, strappings or other cabling accessories, particularly where conditions deny the use of metallic devices. They are made of a material of superb dielectric, mechanical and chemical properties.

Torque is less than for metallic screws but it can be increased by using a larger diameter.

Dielectric strength : 25 KV/mm

Modulus of elasticity : 3100 MPa

Stability : no oxidization in damp medium, resists corrosion and many chemicals. Does not rust. Can be released when metallic screws must be cut or broken loose.

Temperature range :

-30 to + 85°C

Tensile strength at yield :

85 MPa

Density :

1,14

(7 times less than steel)

For SES screws, we recommend use of a dynamometric screwdriver or wrench.

type	article number	pack	screw Ø x length mm	helix mm	head wrench x height mm
------	----------------	------	---------------------------	-------------	-------------------------------

Polyamide set screws with slotted hexagon head

Screw VNH 3/50-7	0611 0021 018	100	3 x 7	0,5	5 x 3
Screw VNH 3/50-10	0611 0022 018	100	3 x 10	0,5	5 x 3
Screw VNH 3/50-15	0611 0023 018	100	3 x 15	0,5	5 x 3
Screw VNH 3/50-20	0611 0024 018	100	3 x 20	0,5	5 x 3
Screw VNH 4/70-10	0611 0025 018	100	4 x 10	0,7	7 x 4
Screw VNH 4/70-15	0611 0026 018	100	4 x 15	0,7	7 x 4
Screw VNH 4/70-22	0611 0027 018	100	4 x 20	0,7	7 x 4
Screw VNH 4/70-30	0611 0028 018	100	4 x 30	0,7	7 x 4
Screw VNH 5/80-10	0611 0029 018	100	5 x 10	0,8	8 x 4,5
Screw VNH 5/80-15	0611 0030 018	100	5 x 15	0,8	8 x 4,5
Screw VNH 5/80-20	0611 0031 018	100	5 x 20	0,8	8 x 4,5
Screw VNH 5/80-25	0611 0032 018	100	5 x 25	0,8	8 x 4,5
Screw VNH 5/80-30	0611 0033 018	100	5 x 30	0,8	8 x 4,5



type	article number	pack	i.d. Ø mm	helix mm	thead mm
------	----------------	------	--------------	-------------	-------------

Polyamide hexagon nuts

Nuts E 3/50	0611 0034 018	100	3	0,5	5 x 2,5*
Nuts E 4/70	0611 0035 018	100	4	0,7	7 x 3*
Nuts E 5/80	0611 0036 018	100	5	0,8	8 x 4*

SES-B wall plugs in grey Polyamide



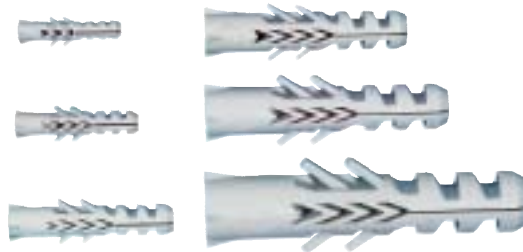
SES

SES-B plugs are made of top grade polyamide.

This material has the following technical properties :

- stable, resistant to weather influences, ageing and corrosion.
 - wide temperature range from -40°C to +85°C
 - Polyamide absorbs vibration and is also a superb electrical insulator.
 - excellent chemical resistance.
 - colour : grey
 - the screw makes its own thread into the plug.
 - the conical interior ensures perfect screw centring and avoids rupture of gypsum plaster or roughcast.
- SES-B plugs are recommended for concrete, cellular bricks, cellular concrete and plaster boards.

type	article. number	pack	bore Ø	for screws Ø mm	bore depth	plug length
SES-B plugs in grey polyamide						
SES-B 5	0629 0001 013	100	5 mm	2,6 to 4 mm	35 mm	25 mm
SES-B 6	0629 0002 013	100	6 mm	3,5 to 5 mm	40 mm	30 mm
SES-B 8	0629 0003 013	100	8 mm	4,5 to 6 mm	50 mm	40 mm
SES-B 10	0629 0004 013	50	10 mm	6 to 8 mm	60 mm	50 mm
SES-B 12	0629 0005 013	25	12 mm	8 to 10 mm	70 mm	60 mm
SES-B 14	0629 0006 013	20	14 mm	10 to 12 mm	85 mm	70 mm





**SL cable ties in natural (NL) - black (BK) Polyamide 6.6 (-40 to +85°C)
inside serrations**

type	article number		pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength daN
	natural (NL)	black (BK)				
85/24 SL-M*	0186 0010 018	0186 0960 010	1 000	85 x 2,4	16	8
85/24 SL-C	0186 0011 018	0186 0975 010	100	85 x 2,4	16	8
100/25 SL-M*	0186 0020 018	0186 0961 010	1 000	100 x 2,5	20	8
100/25 SL-C	0186 0021 018	0186 0976 010	100	100 x 2,5	20	8
150/26 SL-M*	0186 0022 018	0186 0962 010	1 000	150 x 2,6	40	8
150/26 SL-C	0186 0023 018	0186 0977 010	100	150 x 2,6	40	8
200/26 SL-M*	0186 0210 018	0186 0963 010	1 000	200 x 2,6	50	8
200/26 SL-C	0186 0610 018	0186 0978 010	100	200 x 2,6	50	8
145/34 SL-M*	0186 0030 018	0186 0964 010	1 000	145 x 3,4	35	13
145/34 SL-C	0186 0031 018	0186 0979 010	100	145 x 3,4	35	13
210/34 SL-M	0186 0220 018	0186 0965 010	1 000	210 x 3,4	55	13
210/34 SL-C	0186 0620 018	0186 0980 010	100	210 x 3,4	55	13
300/36 SL-M	0186 0230 018	0186 0966 010	1 000	295 x 3,6	76	13
300/36 SL-C	0186 0630 018	0186 0981 010	100	295 x 3,6	76	13
370/36 SL-C	0186 0240 018	0186 0967 010	100	370 x 3,6	102	13
160/46 SL-M	0186 0250 018	0186 0957 010	1 000	160 x 4,6	40	22
160/46 SL-C	0186 0650 018	0186 0974 010	100	160 x 4,6	40	22
185/46 SL-M	0186 0040 018	0186 0968 010	1 000	185 x 4,6	47	22
185/46 SL-C	0186 0041 018	0186 0983 010	100	185 x 4,6	47	22
200/48 SL-M	0186 0046 018	0186 0046 010	1 000	200 x 4,8	50	22
200/48 SL-C	0186 0045 018	0186 0045 010	100	200 x 4,8	50	22
250/46 SL-M	0186 0540 018	0186 0958 010	1 000	250 x 4,6	60	22
250/46 SL-C	0186 0545 018	0186 0959 010	100	250 x 4,6	60	22
300/46 SL-M	0186 0235 018	0186 0969 010	1 000	300 x 4,6	76	22
300/46 SL-C	0186 0635 018	0186 0984 010	100	300 x 4,6	76	22
380/47 SL-C	0186 0050 018	0186 0970 010	100	380 x 4,7	109	22
180/76 SL-C	0186 0260 018	0186 0987 010	100	180 x 7,6	47	54
240/76 SL-C	0186 0270 018	0186 0988 010	100	240 x 7,6	55	54
300/76 SL-C	0186 0280 018	0186 0989 010	100	300 x 7,6	76	54
365/76 SL-C	0186 0060 018	0186 0971 010	100	365 x 7,6	100	53
550/90 SL-C	0186 0062 018	0186 0973 010	100	550 x 8,9	155	79
780/90 SL-C	0186 0290 018	0186 0972 010	100	775 x 8,9	230	79
230/130 SL-C	0186 0170 018	0186 0170 010	100	230 x 13	55	114
480/130 SL-C	0186 0171 018	0186 0171 010	100	480 x 13	120	114
580/130 SL-C	0186 0172 018	0186 0172 010	50	580 x 13	155	114
730/130 SL-C	0186 0173 018	0186 0173 010	100	730 x 13	204	114
880/130 SL-C	0186 0174 018	0186 0174 010	50	880 x 13	248	114
1030/130 SL-C	0186 0175 018	0186 0175 010	100	1030 x 13	295	114



* Packed per 10 bundles of 100 pieces.



**SE cable ties in natural Polyamide 6.6
outside serrations**

- 40 to + 85°C

type	article number.	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
110/26 SE-C	0186 0603 018	100	110 x 2,6	24	8
125/47 SE-C	0186 0070 018	100	125 x 4,7	26	22
160/47 SE-C	0186 0075 018	100	160 x 4,7	38	22
185/47 SE-C	0186 0080 018	100	185 x 4,7	47	22
300/47 SE-C	0186 0085 018	100	300 x 4,7	80	22
370/47 SE-C	0186 0090 018	100	370 x 4,7	105	22
210/76 SE-C	0186 0672 018	100	210 x 7,6	52	53
300/76 SE-C	0186 0682 018	100	300 x 7,6	80	53
370/76 SE-C	0186 0686 018	100	370 x 7,6	103	53
175/90 SE-C	0186 0573 018	100	175 x 9	42	79
260/90 SE-C	0186 0576 018	100	260 x 9	69	79
360/90 SE-C	0186 0578 018	100	360 x 9	102	79
550/90 SE-C	0186 0082 018	100	550 x 8,9	155	79
780/90 SE-C	0186 0088 018	100	775 x 8,9	230	79



SES - QUICK SL MDE cable tie
sensitive to metal detectors

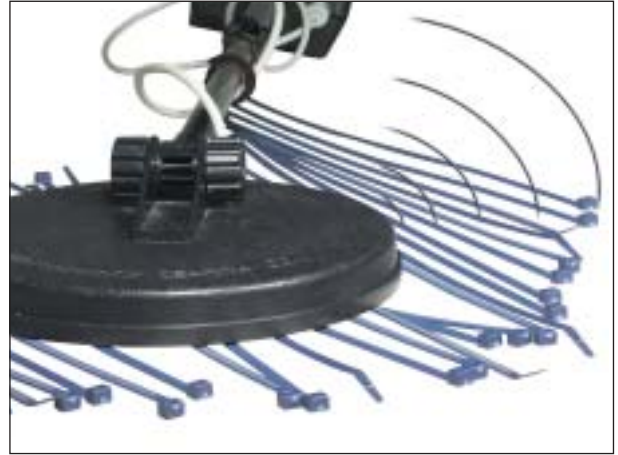



SES®-QUICK
PA 6.6 halogen free
metal blue

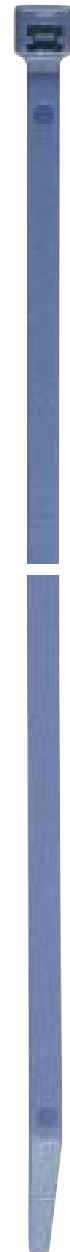
SES-QUICK SL MDE

Material: PA 6.6
Colour: metal blue
Operating temperature: -40 to +85°C
 +150°C short time
Melting point: 260°C
Water absorption: 2-2,5 %
Specifications: halogen free

Application: especially adapted for the detection of the products in food and pharmaceutical industry.



type	article number		dimensions in mm length. x width	maximum bundel Ø in mm	tensile strength daN
380/47 SL MDE-C	0186 1013 093	100	380 x 4,7	109	22



(Other dimensions on special request, please consult us.)

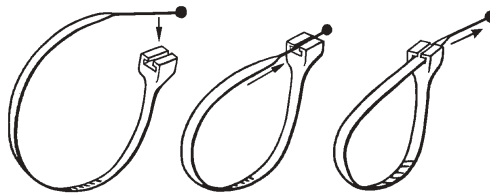
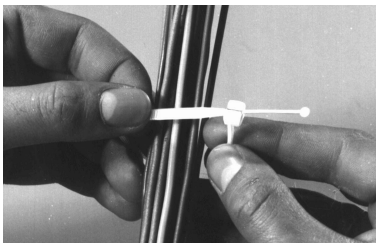
SES - SX cable ties for fast application
for general, inside use
 (for technical properties, see page D100)



SES - SX
PA 6.6 natural

SES-SX cable ties in natural Polyamide 6.6 - 40 to + 85°C
for fast application inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
SX 155/30 - M	0186 0100 018	1 000	155 x 3,2	33	7 - 8



SES - QUICK cable ties

in PA 6.6

(for technical properties, see page D100)



SES- QUICK

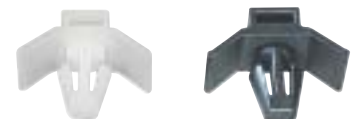
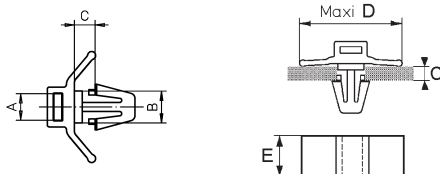
inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN	bore Ø mm	wall thickness mm
R snap-in cable ties - 40 to + 85°C							
in natural Polyamide 6.6							
150/33R-C	0186 0760 018	100	155 x 3,3	32	13	5 - 5,5	2,8
200/46R-C	0186 0770 018	100	200 x 4,6	46	22	6 - 6,5	3,6
RB snap-in cable ties - 40 to + 85°C							
in natural Polyamide 6.6							
200/47RB-C	0186 0365 018	100	210 x 4,7	48	22	6 - 6,4	1 to 2,7
RA snap-in cable ties - 40 to + 85°C							
releasable, in natural Polyamide 6.6							
200/47RA-C	0186 0361 018	100	210 x 4,7	48	22	6 - 6,4	1 to 2,7
RA HT snap-in cable ties - 40 to + 110°C							
releasable, in black Polyamide 6.6, resistant to UV radiation							
200/47RA HT-C	0186 0363 010	100	210 x 4,7	48	22	6 - 6,4	1 to 2,7



Push-in rivet base K in Nylon

type	article number	pack	bore Ø B	plate thickness C	max. side length D	width E
in PA6 for cable ties up to 3,8 mm wide (A)						
Rivet K50-27 black	0186 0934 010	100	5 - 5,4 mm	0,8 - 2,7 mm	18,5 mm	7,0
Rivet K50-27 natural	0186 0934 018	100	5 - 5,4 mm	0,8 - 2,7 mm	18,5 mm	7,0
Rivet K50-36 black	0186 0933 010	100	5 - 5,4 mm	1,0 - 3,6 mm	20,5 mm	7,0
Rivet K50-36 natural	0186 0933 018	100	5 - 5,4 mm	1,0 - 3,6 mm	20,5 mm	7,0
in PA6 for cable ties up to 4,8 mm wide (A)						
Rivet K60-27 black	0186 0932 010	100	6 - 6,4 mm	0,8 - 2,7 mm	22,0 mm	9,5
Rivet K60-27 natural	0186 0932 018	100	6 - 6,4 mm	0,8 - 2,7 mm	22,0 mm	9,5
Rivet K60-36 black	0186 0931 010	100	6 - 6,4 mm	1,0 - 3,6 mm	23,5 mm	9,5
Rivet K60-36 natural	0186 0931 018	100	6 - 6,4 mm	1,0 - 3,6 mm	23,5 mm	9,5



SES - QUICK cable ties with mounting hole for specific inside use

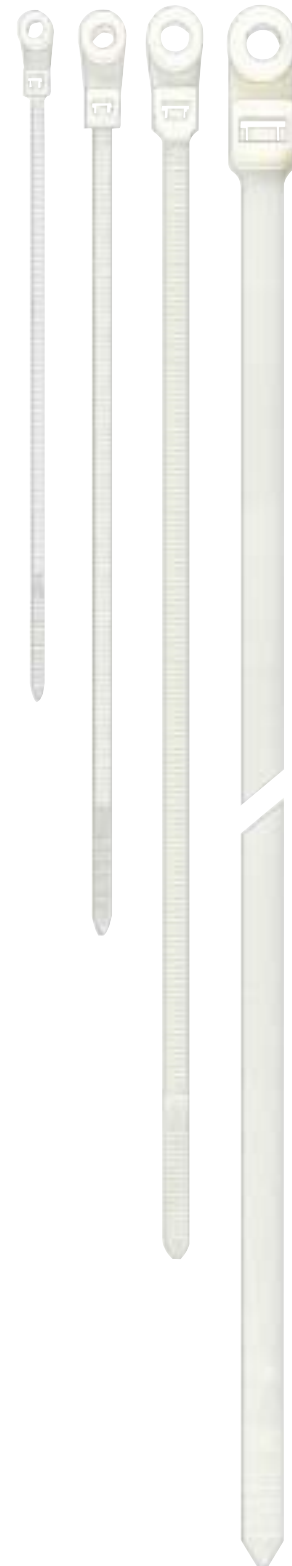
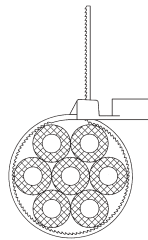
(for technical properties, see page D100)



SES- QUICK
PA 6.6 natural

Cable ties with mounting hole, screw fixing - 40 to + 85°C in natural Polyamide 6.6 inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN	hole Ø in mm
110/25 T-C	0186 0780 018	100	110 x 2,5	18	8	3,2
150/36 T-C	0186 0790 018	100	150 x 3,6	32	13	4,5
200/48 T-C	0186 0800 018	100	200 x 4,8	50	22	5,5
380/76 T-C	0186 0810 018	100	380 x 7,6	100	54	6,2





TE cable ties in natural Polyamide 6.6 - 40 to + 85°C
 with horizontal write-on area inside serrations



type	article number	pack	write-on area dimensions in mm	dimensions length x width	maximum bundle Ø in mm	tensile strength mini. daN
110/25 TE-C	0186 0820 018	100	20 x 9	110 x 2,5 mm	18	8
200/47 TE-C	0186 0368 018	100	28 x 13	210 x 4,7 mm	48	22

TI cable ties in natural Polyamide 6.6 - 40 to + 85°C
 with horizontal write-on area inside serrations



type	article number	pack	write-on area dimensions in mm	dimensions length x width	maximum bundle Ø in mm	tensile strength mini. daN
100/25 TI-C	0186 0840 018	100	25 x 8	100 x 2,5	18	8
200/25 TI-C	0186 0850 018	100	25 x 8	200 x 2,5	50	8
200/47 TI-C	0186 0367 018	100	28 x 13	200 x 4,7	48	22

LI cable ties in natural Polyamide 6.6 - 40 to + 85°C
 with vertical write-on area inside serrations



type	article number	pack	write-on area dimensions in mm	dimensions length x width	maximum bundle Ø in mm	tensile strength mini. daN
200/47 LI-C	0186 0860 018	100	28 x 13	200 x 4,7	48	22
340/48 LI-C	0186 0470 018	100	25 x 13	340 x 4,8	85	22



Waterproof pens for marking : see page C14/5



SES - LT large cable ties

for inside use

(for technical properties, see page D100)



SES® - QUICK
PA 6.6 black (BK)

LT cable ties in Polyamide 6.6 black (BK 010) - 40 to + 85°C

double lock head inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
240/130 LT-C	0186 0300 010	100	240 x 13	50	114
490/130 LT-C	0186 0310 010	100	490 x 13	135	114
590/130 LT-C	0186 0320 010	100	590 x 13	152	114
740/130 LT-C	0186 0330 010	100	740 x 13	204	114
890/130 LT-C	0186 0340 010	100	890 x 13	248	114





**SL cable ties in coloured Polyamide 6.6
inside serrations**

- 40 to + 85°C

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
150/26 SL BU-C	0186 0028 002	100	150 x 2,6	40	8
150/26 SL YE-C	0186 0028 004	100	150 x 2,6	40	8
150/26 SL GN-C	0186 0028 003	100	150 x 2,6	40	8
150/26 SL RD-C	0186 0028 007	100	150 x 2,6	40	8
210/34 SL BU-C	0186 0628 002	100	210 x 3,4	55	13
210/34 SL YE-C	0186 0628 004	100	210 x 3,4	55	13
210/34 SL GN-C	0186 0628 003	100	210 x 3,4	55	13
210/34 SL RD-C	0186 0628 007	100	210 x 3,4	55	13
300/46 SL BU-C	0186 0638 002	100	300 x 4,6	83	22
300/46 SL YE-C	0186 0638 004	100	300 x 4,6	83	22
300/46 SL GN-C	0186 0638 003	100	300 x 4,6	83	22
300/46 SL RD-C	0186 0638 007	100	300 x 4,6	83	22
365/76 SL BU-C	0186 0068 002	100	365 x 7,6	100	53
365/76 SL YE-C	0186 0068 004	100	365 x 7,6	100	53
365/76 SL GN-C	0186 0068 003	100	365 x 7,6	100	53
365/76 SL RD-C	0186 0068 007	100	365 x 7,6	100	53



colours :

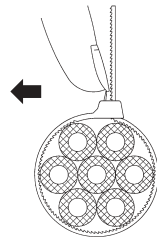
	blue	yellow	green	red
colour code :	BU (002)	YE (004)	GN (003)	RD (007)



SDA cable ties in natural Polyamide 6.6 - 40 to + 85°C

releasable inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
200/48 SDA-M	0186 0550 018	1000	200 x 4,8	50	22
200/48 SDA-C	0186 0555 018	100	200 x 4,8	50	22
300/48 SDA-M	0186 0560 018	1000	300 x 4,8	76	22
300/48 SDA-C	0186 0565 018	100	300 x 4,8	76	22

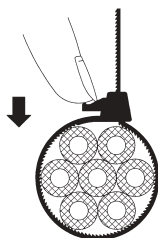




SDB cable ties in black Polyamide 6.6 - 40 to + 85°C

releasable inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
120/76 SDB-C	0186 0880 010	100	120 x 7,6	26	22
200/76 SDB-C	0186 0885 010	100	200 x 7,6	50	22
300/76 SDB-C	0186 0890 010	100	300 x 7,6	80	22
370/76 SDB-C	0186 0895 010	100	370 x 7,6	102	22



**SES - CR cable ties releasable
in black Polyamide 12**
(for technical properties see page D100)

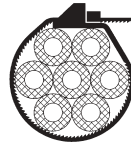
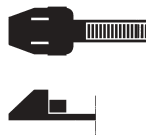


SES- CR

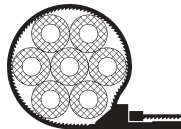
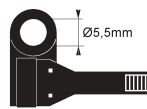
CR cable ties in black Polyamide 12 - 40 to + 80°C
with flat locking outside serrations

Type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
CR 50	0121 0001 010	50	190 x 4,8	10 to 50	22
CR-D 50	0121 0002 010	50	200 x 4,8	10 to 50	22
CR-E 50	0121 0003 010	50	200 x 4,8	10 to 50	22
CR 100	0121 0004 010	50	350 x 4,8	45 to 100	22

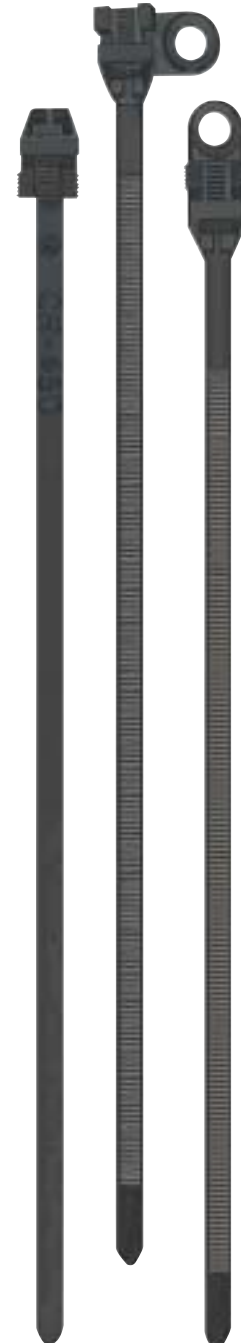
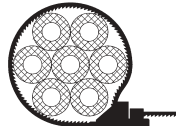
CR 50
CR 100 **with head, straight**



CR-E 50 **with mounting head, 90°**



CR-D 50 **with mounting hole head**



SL-HT cable ties black
for external use
and/or at high temperatures



SES®- QUICK
PA 6.6 black H.T.
inside serrations

resistant to UV radiation - 40 to + 110°C
(for technical properties see page D100)

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
85/24 SL HT-M	0186 0110 010	1000	85 x 2,4	16	8
85/24 SL HT-C	0186 0111 010	100	85 x 2,4	16	8
100/25 SL HT-M	0186 0120 010 *	1000	100 x 2,5	20	8
100/25 SL HT-C	0186 0121 010	100	100 x 2,5	20	8
150/26 SL HT-M	0186 0122 010	1000	150 x 2,6	40	8
150/26 SL HT-C	0186 0123 010	100	150 x 2,6	40	8
200/26 SL HT-M	0186 0180 010 *	1000	200 x 2,6	50	8
200/26 SL HT-C	0186 0181 010	100	200 x 2,6	50	8
145/34 SL HT-M	0186 0130 010 *	1000	145 x 3,4	35	13
145/34 SL HT-C	0186 0131 010	100	145 x 3,4	35	13
210/34 SL HT-M	0186 0142 010	1000	210 x 3,4	55	13
210/34 SL HT-C	0186 0143 010	100	210 x 3,4	55	13
300/36 SL HT-M	0186 0232 010	1000	295 x 3,6	76	13
300/36 SL HT-C	0186 0233 010	100	295 x 3,6	76	13
370/36 SL HT-C	0186 0242 010	100	370 x 3,6	102	13
160/46 SL HT-M	0186 0124 010	1000	160 x 4,6	38	22
160/46 SL HT-C	0186 0125 010	100	160 x 4,6	38	22
185/46 SL HT-M	0186 0140 010	1000	185 x 4,6	47	22
185/46 SL HT-C	0186 0141 010	100	185 x 4,6	47	22
250/46 SL HT-M	0186 0126 010	1000	250 x 4,6	60	22
250/46 SL HT-C	0186 0127 010	100	250 x 4,6	60	22
300/46 SL HT-M	0186 0146 010	1000	300 x 4,6	83	22
300/46 SL HT-C	0186 0147 010	100	300 x 4,6	83	22
380/47 SL HT-C	0186 0150 010	100	380 x 4,7	109	22
180/76 SL HT-C	0186 0132 010	100	180 x 7,6	36	54
240/76 SL HT-C	0186 0144 010	100	240 x 7,6	50	54
300/76 SL HT-C	0186 0148 010	100	300 x 7,7	76	54
365/76 SL HT-C	0186 0160 010	100	365 x 7,6	100	53
550/90 SL HT-C	0186 0163 010	100	550 x 8,9	155	79
780/90 SL HT-C	0186 0162 010	100	775 x 8,9	230	79



* Packed per 10 bundles of 100 pieces.

SE HT cable ties with outside serrations for use at high temperatures

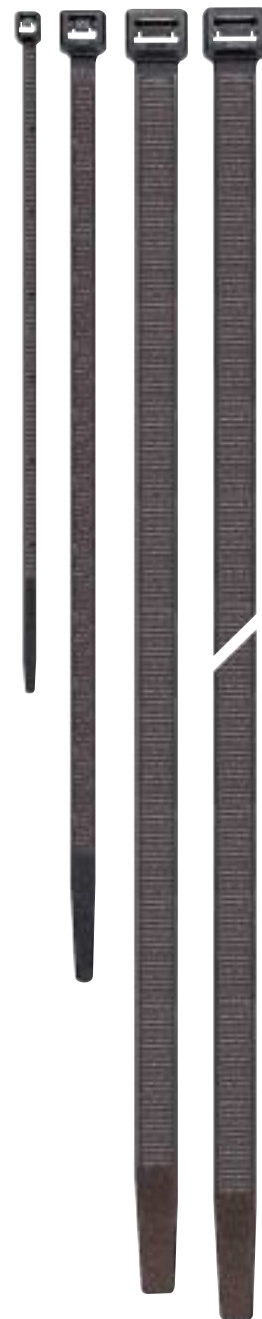
(for technical properties see page D100)



SES®- QUICK
PA 6.6 black H.T.

SE HT cable ties in black Polyamide 6.6 - 40 to +110°C resistant to UV radiation- outside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
110/26 SE HT-C	0186 0606 010	100	110 x 2,6	24	8
125/47 SE HT-C	0186 0071 010	100	125 x 4,7	26	22
160/47 SE HT-C	0186 0076 010	100	160 x 4,7	38	22
185/47 SE HT-C	0186 0081 010	100	185 x 4,7	47	22
300/47 SE HT-C	0186 0087 010	100	300 x 4,7	80	22
370/47 SE HT-C	0186 0092 010	100	370 x 4,7	105	22
210/76 SE HT-C	0186 0674 010	100	210 x 7,6	52	53
300/76 SE HT-C	0186 0684 010	100	300 x 7,6	80	53
370/76 SE HT-C	0186 0688 010	100	370 x 7,6	103	53
175/90 SE HT-C	0186 0574 010	100	175 x 9	42	79
260/90 SE HT-C	0186 0577 010	100	260 x 9	69	79
360/90 SE HT-C	0186 0579 010	100	360 x 9	102	79
550/90SE HT-C	0186 0083 010	100	550 x 8,9	155	79
780/90 SE HT-C	0186 0089 010	100	775 x 8,9	230	79



SR HT cable ties releasable for use at high temperatures

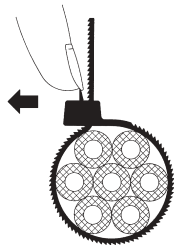
(for technical properties see page D100)



SES®- QUICK
PA 6.6 black H.T.

SR HT cable ties in black Polyamide 6.6 - 40 to +110°C resistant to UV radiation, releasable outside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
110/26 SR HT-C	0186 0608 010	100	110 x 2,6	24	8
125/47 SR HT-C	0186 0480 010	100	125 x 4,7	26	22
160/47 SR HT-C	0186 0485 010	100	160 x 4,7	38	22
185/47 SR HT-C	0186 0490 010	100	185 x 4,7	47	22
300/47 SR HT-C	0186 0493 010	100	300 x 4,7	80	22
370/47 SR HT-C	0186 0495 010	100	370 x 4,7	105	22
210/76 SR HT-C	0186 0295 010	100	210 x 7,6	52	53
300/76 SR HT-C	0186 0296 010	100	300 x 7,6	80	53
370/76 SR HT-C	0186 0297 010	100	370 x 7,6	103	53
175/90 SR HT-C	0186 0591 010	100	175 x 9	42	79
260/90 SR HT-C	0186 0592 010	100	260 x 9	69	79
360/90 SR HT-C	0186 0593 010	100	360 x 9	102	79



SL-V0 self-extinguishing cable ties inside serrations

(for technical properties see page D100)



SES - QUICK

PA 6.6 V0

(halogen and phosphorus free)

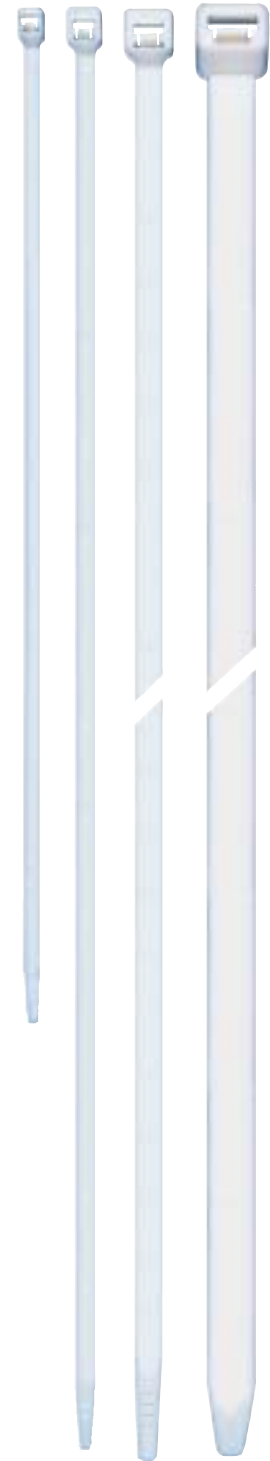
SL-V0 cable ties in self-extinguishing Polyamide 6.6 UL 94-V0

- 40 to +80°C

natural-ivory

inside serrations

type	article number	pack	dimensions length x width in mm	maximum bundle Ø in mm	tensile strength mini. daN
100/25 SL V0-C (AF)	0186 0342 030	100	100 x 2,5	20	8
150/26 SL V0-C (AF)	0186 0025 030	100	150 x 2,6	40	8
210/34 SL V0-C (AF)	0186 0625 030	100	210 x 3,4	55	13
185/46 SL V0-C (AF)	0186 0339 030	100	185 x 4,6	47	22
300/46 SL V0-C (AF)	0186 0637 030	100	300 x 4,6	83	22
380/47 SL V0-C (AF)	0186 0341 030	100	380 x 4,7	109	22
365/76 SL V0-C (AF)	0186 0065 030	100	365 x 7,6	100	53





(for technical properties see page D100)

**Cable ties series SL in black PA 12 - 40 to + 80°C
for outdoor use inside serrations**

NOTE : Cable ties in black Polyamide 12 remain flexible even at high temperatures and in a dry environment, their stable performance remains even in very damp conditions.

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength min. daN
145/34 SL PA12-C	0186 0036 010	100	145 x 3,4	35	8
300/46 SL PA12-C	0186 0633 010	100	300 x 4,6	83	13
365/76 SL PA12-C	0186 0063 010	100	365 x 7,6	100	30



On request we can manufacture also other dimensions or types of ties in quality PA 12 black. Contact us!.

SL - PP cable ties
in brown polypropylene resistant to many acids
 (for technical properties see page D100)



SES - QUICK

SL cable ties in brown Polypropylene - 20 to + 65°C
grade for special application conditions (good resistance to acids)
inside serrations

type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
standard range					
150/26 SL PP-M	0186 0027 006	1000	150 x 2,6	40	5
210/34 SL PP-M	0186 0227 006	1000	210 x 3,4	55	8
300/46 SL PP-M	0186 0237 006	1000	300 x 4,6	83	13
365/76 SL PP-D	0186 0067 006	500	365 x 7,6	100	22
special range					
100/25 SL PP-M	0186 0017 006	1000	100 x 2,5	20	5
145/34 SL PP-M	0186 0033 006	1000	145 x 3,4	35	8
185/46 SL PP-M	0186 0043 006	1000	185 x 4,6	47	13
380/47 SL PP-D	0186 0053 006	500	380 x 4,7	109	13



PLIO -GRAINS cable ties

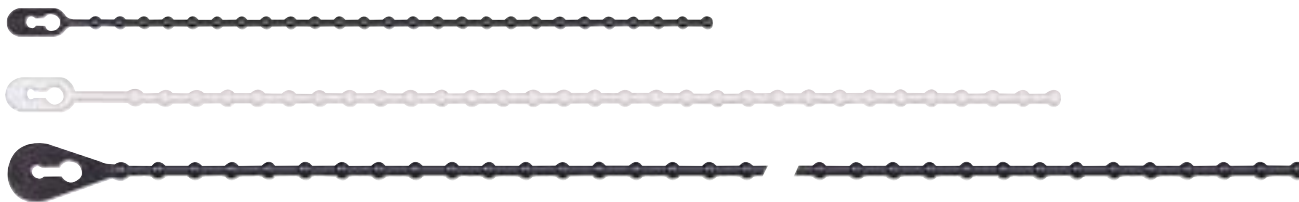
for general use

(for technical properties, see page D/100)



PLIO®- GRAINS
PA & PE black & natural

PLIO-GRAINS - PA cable ties in Polyamide - 20 to + 85°C black for outdoor use and natural for indoor use



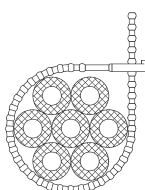
type	article number	pack	length in mm	maximum bundle Ø in mm	tensile strength mini. daN	colours
110 PA natural	0113 0001 018	500	110	2 to 30	9	natural
160 PA natural	0113 0003 018	500	160	6 to 50	11	natural
260 PA natural	0113 0002 018	100	260	10 to 75	25	natural
110 PA black	0113 0001 010	500	110	2 to 30	9	black
160 PA black	0113 0003 010	500	160	6 to 50	11	black
260 PA black	0113 0002 010	100	260	10 to 75	25	black

PLIO-GRAINS - PE cable ties in natural Polyethylene - 20 to + 65 for indoor use



type	article number	pack	length in mm	maximum bundle Ø in mm	tensile strength mini. daN	colours
110 PE natural	0113 0010 018	500	110	2 to 30	6	natural
160 PE natural	0113 0012 018	500	160	6 to 50	8	natural
260 PE natural	0113 0011 018	100	260	10 to 75	10	natural

* the binding strength is given with reservation as the material tends to crack





Cable ties series CB in natural Polyethylene - 20 to + 65°C

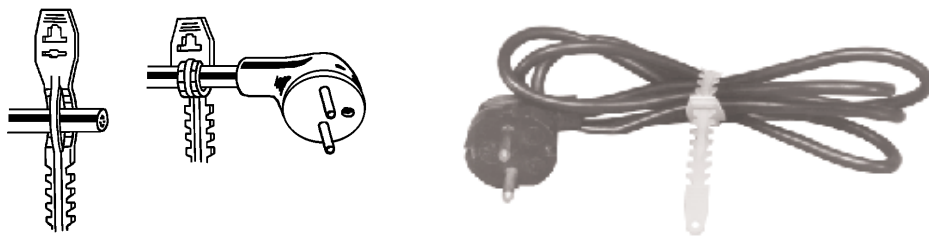


type	article number	pack	dimensions in mm length x width	maximum bundle Ø in mm	tensile strength mini. daN
CB 140 F natural	0141 0002 018	500	140 x 6	10 - 30	10
CB 200 F natural	0141 0004 018	500	200 x 6	12 - 50	10

Cable ties series SF in natural Polyethylene - 20 to + 65°C
 for cable binding and plugtop retention.



type	article number	pack	dimensions in mm length x width
SES-160/90 SF-D natural	0186 0950 018	500	165 x 9
SES-160/90 SF-C natural	0186 0955 018	100	165 x 9



SES - TW twist ties

for general use, indoors

(for technical properties see page D 100)

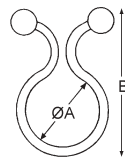
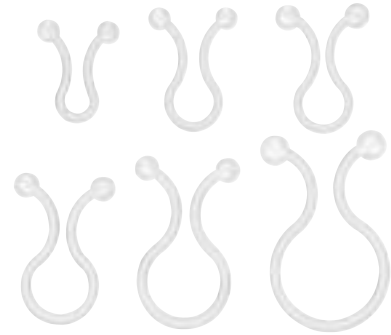


SES- TW
PA 6.6 natural

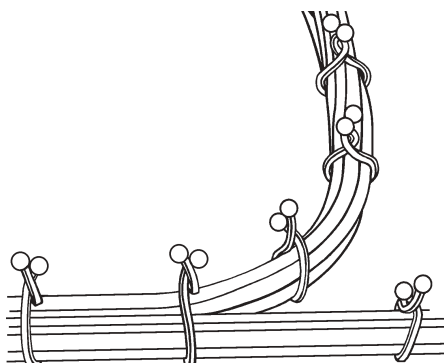
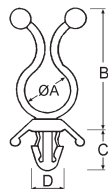
TW cable ties in natural Polyamide 6.6 for quick binding

- 40 + 85°C

type	article number	pack	ØA mm	B mm	binding mm Ø
Simple twist ties					
TW-4 natural	0186 0943 018	100	5,2	21,0	4,5
TW-7 natural	0186 0944 018	100	8,3	25,0	7,5
TW-10 natural	0186 0941 018	100	9,0	26,0	11,0
TW-12 natural	0186 0940 018	100	12,5	30,0	12,5
TW-14 natural	0186 0945 018	100	15,0	35,0	14,0
TW-20 natural	0186 0942 018	100	20,0	39,5	20,0



type	article number	pack	ØA	B	C	D
Twist tie with rivet						
TW-R-10 natural	0186 0946 018	100	11,0	28,2	7,5	4,8



SES-WRAP Ties

Plastic tie - self fastening



SES-WRAP

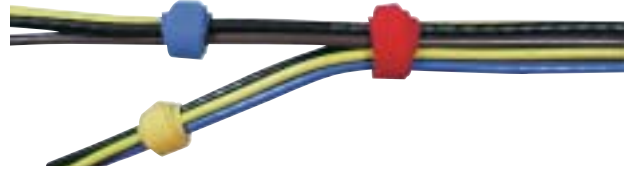
SES-WRAP

Material: hooks: Polyethylene
strap: Nylon PA

Temperature of use: -20 to +105°C


Application: Used for fixing of delicate cables, organization of cables...

Out of velour-laminate, SES-WRAP ties spare the cables and have the advantage of being adjustable and reusable.




Example for order:

code group	detail article	code colour
0821	x x x x	x x x

type	article number	available colours					dimensions (mm) width x length
		blue BU 002	yellow YE 004	red RD 007	black BK 010		
SES-WRAP 20x150	0821 0020 ***	X	X	X	X	60	13 x 150
SES-WRAP 20x200	0821 0021 ***	X	X	X	X	50	13 x 200
SES-WRAP 20x330	0821 0022 ***	X	X	X	X	30	13 x 330



 For black inkjet printing on blue, yellow and red SES-WRAP cable ties, please consult us.



“INOX-BALL-Quick” ties for cables or flexible tubing in stainless steel with ball lock system - to apply with or without tensioner

“INOX BALL QUICK” ties in **stainless steel 304**

Resistant to salt water and acids. Operating temperature up to 540°C .

type	article number	pack	dimensions in mm length. x width	maximum bundle Ø in mm	tensile strength mini daN
“INOX-BALL-Quick” ties in stainless steel 304, uncoated (thickness 0,265 mm)					
IBQ 200/45 N304	0187 0001 000	100	200 x 4,5	50	44
IBQ 260/45 N304	0187 0002 000	100	260 x 4,5	69	44
IBQ 360/45 N304	0187 0003 000	100	360 x 4,5	102	44
IBQ 520/45 N304	0187 0004 000	100	520 x 4,5	152	44
IBQ 680/45 N304	0187 0005 000	100	680 x 4,5	203	44
IBQ 840/45 N304	0187 0006 000	100	840 x 4,5	254	44
IBQ 200/80 N304	0187 0011 000	100	200 x 8,0	50	111
IBQ 260/80 N304	0187 0012 000	100	260 x 8,0	69	111
IBQ 360/80 N304	0187 0013 000	100	360 x 8,0	102	111
IBQ 520/80 N304	0187 0014 000	100	520 x 8,0	152	111
IBQ 680/80 N304	0187 0015 000	100	680 x 8,0	203	111
IBQ 840/80 N304	0187 0016 000	100	840 x 8,0	254	111
IBQ 1070/80 N304	0187 0017 000	100	1070 x 8,0	305	111



Special quality in **stainless steel 316** for shipping , mining and chemical industries

“INOX BALL QUICK” ties in stainless steel 316 (thickness 0,265 mm)					
IBQ 200/45 N316	0187 0021 000	100	200 x 4,5	50	44
IBQ 260/45 N316	0187 0022 000	100	260 x 4,5	69	44
IBQ 360/45 N316	0187 0023 000	100	360 x 4,5	102	44
IBQ 520/45 N316	0187 0024 000	100	520 x 4,5	152	44
IBQ 680/45 N316	0187 0025 000	100	680 x 4,5	203	44
IBQ 840/45 N316	0187 0026 000	100	840 x 4,5	254	44
IBQ 200/80 N316	0187 0031 000	100	200 x 8,0	50	111
IBQ 260/80 N316	0187 0032 000	100	260 x 8,0	69	111
IBQ 360/80 N316	0187 0033 000	100	360 x 8,0	102	111
IBQ 520/80 N316	0187 0034 000	100	520 x 8,0	152	111
IBQ 680/80 N316	0187 0035 000	100	680 x 8,0	203	111
IBQ 840/80 N316	0187 0036 000	100	840 x 8,0	254	111



Tensioners for “INOX BALL QUICK” ties

type	article number	pack	designation	weight in g
K 502	0187 0200 000	1	adjustable tension and automatic cut-off	450

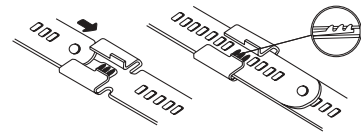


“INOX MULTI QUICK” ties - to apply with or without tensioner

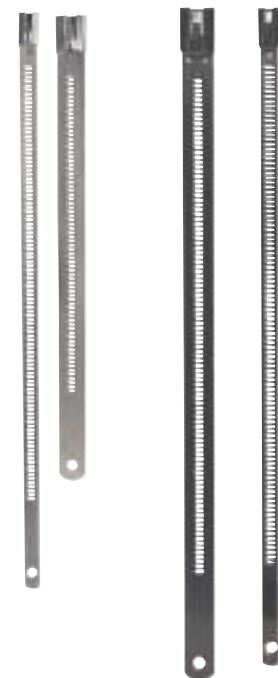
“INOX MULTI QUICK” ties in **stainless steel 316** for general use. These ties can be tightened in steps due to a unique multiple locking system.

To apply by hand or with tensioner.

Resistant to salt water and acids. Very high operating temperatures.



type	article number	pack	dimensions	maximum	tensile
			in mm length x width	bundle Ø in mm	strength mini daN
“INOX MULTI QUICK” ties in stainless steel 316 (thickness 0,279mm) uncoated (-80 to +540 °C)					
IMQ 225/70 N316	0187 0101 000	100	225 x 7	71	89
IMQ 300/70 N316	0187 0102 000	100	300 x 7	96	89
IMQ 450/70 N316	0187 0103 000	100	450 x 7	144	89
IMQ 610/70 N316	0187 0104 000	100	610 x 7	193	89
IMQ 225/120 N316	0187 0111 000	100	225 x 12	71	111
IMQ 300/120 N316	0187 0112 000	100	300 x 12	96	111
IMQ 450/120 N316	0187 0113 000	100	450 x 12	144	111
IMQ 610/120 N316	0187 0114 000	100	610 x 12	193	111



“INOX MULTI Qless steel 316

Nylon 11 coated - black - total thickness 0,46 mm (-40 to +80°C)

IMQ 225/70 R316	0187 0121 000	100	225 x 7	71	89
IMQ 300/70 R316	0187 0122 000	100	300 x 7	96	89
IMQ 450/70 R316	0187 0123 000	100	450 x 7	144	89
IMQ 610/70 R316	0187 0124 000	100	610 x 7	193	89
IMQ 225/120 R316	0187 0131 000	100	225 x 12	71	111
IMQ 300/120 R316	0187 0132 000	100	300 x 12	96	111
IMQ 450/120 R316	0187 0133 000	100	450 x 12	144	111
IMQ 610/120 R316	0187 0134 000	100	610 x 12	193	111

Hand tool for “INOX MULTI QUICK” ties in stainless steel

type	article number	pack		weight in g
tensioner for “INOX-MULTI QUICK” ties				
M 503	0187 0210 000	1	adjustable tension and automatic cut-off	450
AE 200	0187 0220 000	1	adjustable tension only	300
AE 201	0187 0230 000	1	tensioning hook	50



AE 200



AE 201



M 503



type	article number	pack	description		
ANP-1 cable tie base in natural and black and black PA 6.6					
ANP-1 natural	0186 0912 018	100	2 way cable tie base dimensions 20 x 20 mm for cable ties of max. section 1,5 x 4 mm, self adhesive* but can be fixed by a flat head M3 screw		
ANP-1 black	0186 0911 010	100			
ANP-2 cable tie base in natural and black PA 6.6					
ANP-2-C natural	0186 0900 018	100	2 way cable tie base dimensions 28 x 28 mm for cable ties of max. section 1,6 x 5 mm, self adhesive* but can be fixed by a flat head M4.5 screw		
ANP-2-C black	0186 0901 010	100			
S 2 cable tie base in black high impact PS					
S 2	0112 0001 010	100	1 way cable tie base for cable ties of max. section 1,2 x 3,3 for fixing by screws of 3 mm Ø only		
S 8 cable tie base in black high impact PS					
S 8	0112 0002 010	100	1 way cable tie base for cable ties of max. section 2,5 x 8,5 for fixing by screws of 4 mm Ø only		
S 12 cable tie base in black high impact PS					
S 12	0112 0003 010	100	1 way cable tie base for cable ties of max. section 1,8 x 12,5 for fixing by screws of 4 mm Ø only		
MB-123 cable tie base in natural PA 6.6					
MB-123-C	0186 0922 018	100	1 way cable tie base for cable ties of max. section 1,5 x 5 mm for fixing by screws of 4,5 mm Ø only		
MB-123.35 cable tie base in natural PA 6.6					
MB-123.35-C	0186 0924 018	100	1 way cable tie base for cable ties of max. section 1,5 x 5 mm for fixing by screws of 3 mm Ø only		

* IMPORTANT Good adhesion with our products is achieved by a smooth, clean, dry and perfectly degreased surface of the support. Do not touch the adhesive before application. In general, we recommend preliminary tests

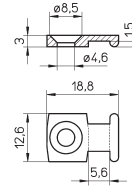




type	article number	pack	description
------	----------------	------	-------------

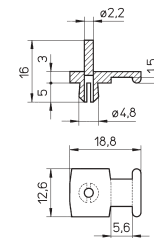
SM-8 cable tie base in natural PA 6

SM-8	0186 0910 018	100	1 way cable tie base for cable ties of max. section 1,5 x 5,6 mm for fixing by flat head M4.5 screws only
------	---------------	-----	---



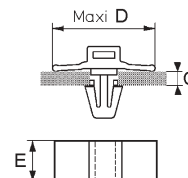
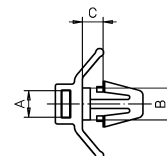
K-50 cable tie base, in natural PA 6

K-50	0186 0920 018	100	1 way cable tie base for cable ties of max. section 1,5 x 5,6 mm fixing by integral rivet and plug for 4,8 mm Ø hole
------	---------------	-----	--



Snap-in rivet base K in Polyamide

type	article number	pack	bore Ø B	plate thickness C	max.side length D	width E
in PA6 for cable ties of width up to 3,8 mm (A)						
Rivet K50-27 black	0186 0934 010	100	5 - 5,4 mm	0,8 - 2,7 mm	18,5 mm	7,0
Rivet K50-27 natural	0186 0934 018	100	5 - 5,4 mm	0,8 - 2,7 mm	18,5 mm	7,0
Rivet K50-36 black	0186 0933 010	100	5 - 5,4 mm	1,0 - 3,6 mm	20,5 mm	7,0
Rivet K50-36 natural	0186 0933 018	100	5 - 5,4 mm	1,0 - 3,6 mm	20,5 mm	7,0
in PA6 for cable ties of width up to 4,8 mm (A)						
Rivet K60-27 black	0186 0932 010	100	6 - 6,4 mm	0,8 - 2,7 mm	22,0 mm	9,5
Rivet K60-27 natural	0186 0932 018	100	6 - 6,4 mm	0,8 - 2,7 mm	22,0 mm	9,5
Rivet K60-36 black	0186 0931 010	100	6 - 6,4 mm	1,0 - 3,6 mm	23,5 mm	9,5
Rivet K60-36 natural	0186 0931 018	100	6 - 6,4 mm	1,0 - 3,6 mm	23,5 mm	9,5



Accessories - tie bases for SES-Quick cable ties

(for technical properties see page D 100)



SES-QUICK

type	article number	pack	assembly diagram	illustration	
CH-X tie base in black PA 6					
CH-X	0127 0031 010	50			
fixing by screw \varnothing 5 mm for cable ties 1,8 x 5,2 mm					
CB-S 8 oblique tie base in black PA 6					
CB-S 8	0127 0046 010	50			
for cable ties of maximum section 2,5 x 8,3 mm fixing by screw \varnothing 4 mm					
CB-S 12 oblique tie base in black PA 6					
CB-S 12	0127 0050 010	50			
for cable ties of maximum section 2,8 x 12,3 mm fixing by screw \varnothing 5 mm					
TM-2 tie cradle in natural PA 6					
TM-2S6	0186 0925 018	100			
fixing by screw \varnothing 3,5 mm for cable ties of max. width 4,7 mm					
TM-2S8	0186 0926 018	100			
fixing by screw \varnothing 4,3 mm for cable ties of max. width 4,7 mm					
TM-3 tie cradle in natural PA 6					
TM-3S8	0186 0930 018	100			
fixing by screw \varnothing 4 mm for cable ties of max. width 9 mm					
TM-3S10	0186 0530 018	100			
fixing by screw \varnothing 4,5 mm for cable ties of max. width 9 mm					
CH-935 stand-off cradle in black PA 6 and PA 12					
in black PA 6					
CH-935-6	0189 0536 010	100			
in black PA 12					
CH-935-12	0189 0535 010	100			
CH-S screw fixing mount in black PA 6					
Screw fixing mount					
CH-S	0127 0038 010	50			

Accessories and tie bases

for SES-Quick cable ties

(for technical properties see page D 100)



SES-QUICK

continued ...

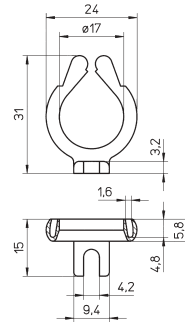
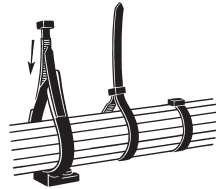
type	article number	pack	assembly diagram	illustration	
CH-936 double tie base in black PA 6 and PA 12					
for 2 cable ties of max. section 4,4 x 9,6mm in black PA 6					
CH-936-6	0189 0516 010	100			
in black PA 12					
CH-936-12	0189 0515 010	100			
CH-V double tie base in black PA 6					
for 2 cable ties of max. section 3 x 10,2 mm					
CH-V	0127 0048 010	50			
CH-W double tie base in black PA 6					
for 2 cable ties of max. section 2 x 25,2 mm or 3 x 9,2 mm					
CH-W	0127 0047 010	50			
CH-C8 wall plug in black PA 12					
wall plug with cradle for cable ties of max. section 2,7 x 9,2 mm					
CH-C8	0127 0045 010	50			
CH-S8 tie base in black PA 6					
wall plug for cable ties of maximum section 2 x 9 mm fixing bore \varnothing 5,3 mm					
CH-S8	0127 0039 010	50			

type	article number	pack	use	illustration
------	----------------	------	-----	--------------

CH-F17 cable support in green Polyoxymethylene

CH-F17 0127 0034 003 25

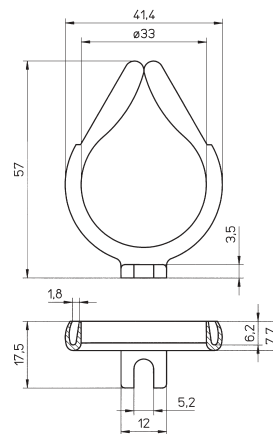
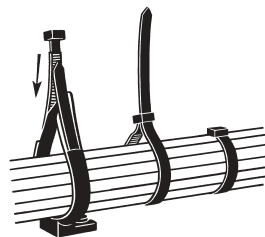
max. capacity \varnothing 17 mm
for cable bundling and
application of cable ties
of max. thickness 1,6 mm



CH-F33 cable support in green Polyoxymethylene

CH-F33 0127 0035 003 25

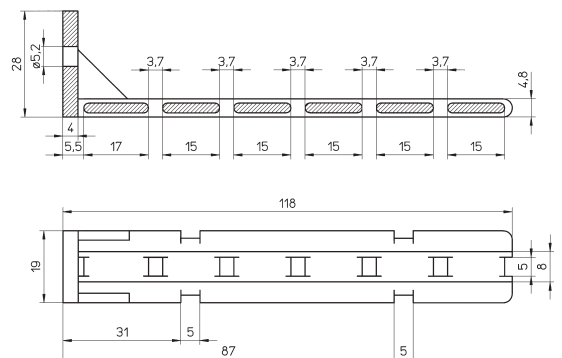
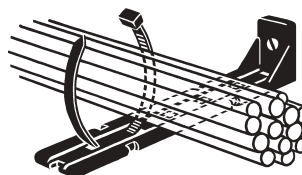
max. capacity \varnothing 33mm
for cable bundling and
application of cable ties
of max. thickness 1,8 mm



CH-J cable tie base in black PA 6.6

CH-J 0127 0032 010 25

to fix cable
bundles on walls





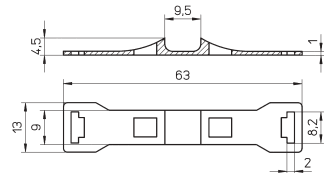
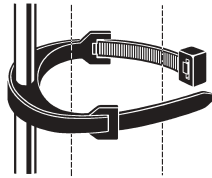
type	article number	pack	use
------	----------------	------	-----

CH-B5 anchoring collar in black PA 12

CH-B5	0127 0042 010	50	
--------------	---------------	----	--

Anchoring collar to fix cables of $\varnothing < 5$ mm on tubes.

Suits for cable ties of width between 2,5 and 7,8 mm

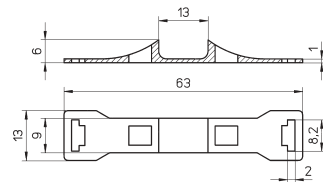
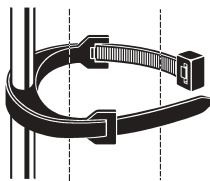


CH-B7 anchoring collar in black PA 12

CH-B7	0127 0043 010	50	
--------------	---------------	----	--

Anchoring collar to fix cables of $\varnothing 6$ to 7 mm on tubes.

Suits for cable ties of width between 2,5 and 7,8 mm



Accessories - write-on plates for SES-Quick cable ties



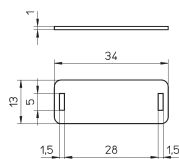
SES-QUICK

type	article number	pack
------	----------------	------

Write-on plate CH-Z in white PA 6

CH-Z WH 0140 0021 001 100 white

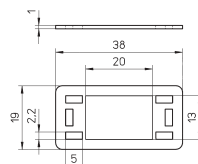
Write-on plate to fix with ties. Marking with nylon point pen (LASER marking upon request)



Write-on plate CH-P in white PA 6

CH-P WH 0140 0020 001 100 white

Write-on plate to fix with ties. Marking with nylon point pen (LASER marking upon request)



Write-on plate CH-M in white PP

CH-M PP WH 0140 0025 001 100 white

Write-on plate to fix with ties or screw. Marking with nylon point pen (LASER marking upon request)

Write-on plate CH-M in black PE

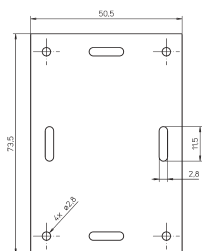
CH-M PE BK 0140 0026 010 100 black

Write-on plate to fix with ties or screw. Plate to mark by cold stamping

Write-on plate CH-M in colours PE

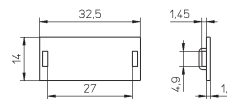
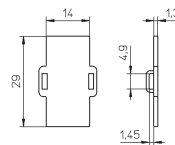
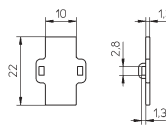
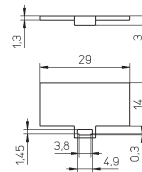
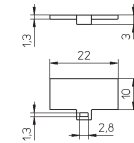
CH-M PE GN 0140 0027 003 100 green
CH-M PE RD 0140 0028 007 100 red
CH-M PE BU 0140 0023 002 100 blue
CH-M PE OG 0140 0024 005 100 orange
CH-M PE YE 0140 0022 004 100 yellow

Plate to mark by cold stamping or with a nylon point pen or by "Laser" and fix with ties or screw.



with fixing eyelets to avoid distortion

type	article number	pack	dimensions in mm
Write-on plate CH-AQ in PA 6 white			
CH-AQ 22x10 WH	0140 0101 001	100	22 x 10
for cable ties from 2,4 to 2,6 mm width			
CH-AQ 29x14WH	0140 0102 001	100	29 x 14
Write-on-plate fixed with ties. Marking with nylon point pen ; Self-adhesive labels ; LASER engraving or "pantograph" on request.			
for cable ties from 2,4 to 4,6 mm width			
Write-on plate CH-AR in PA 6 white			
CH-AR 22x10 WH	0140 0103 001	100	22 x 10
Write-on-plate fixed with ties. Marking with nylon point pen ; Self-adhesive labels ; LASER engraving or "pantograph" on request.			
for cable ties from 2,4 to 2,6 mm width			
Write-on plate CH-AT in PA 6 white			
CH-AT 29x14 WH	0140 0104 001	100	29 x 14
Write-on-plate fixed with ties. Marking with nylon point pen ; Self-adhesive labels ; LASER engraving or "pantograph" on request.			
for cable ties from 2,4 to 4,6 mm width			
Write-on plate CH-AL in PA 6 white			
CH-AL 32x14 WH	0140 0105 001	100	32,5 x 14
Write-on-plate fixed with ties. Marking with nylon point pen ; Self-adhesive labels ; LASER engraving or "pantograph" on request.			
for cable ties from 2,4 to 4,6 mm width			





QUICK-MARKERS pens with Nylon point


Indelible marker pens to identify our write-on ties, EV-marker cards and insulating and heat-shrinkable sleeveings

type	article number	pack	colours	Nylon point
EV-permanent	0307 0501 010	1	black	medium-sized
PLIO-404 permanent	0307 0502 010	1	black	fine
PLIO-404 permanent	0307 0503 007	1	red	fine
PLIO-780 opak	0307 0504 001	1	white	fine





	SM6	SM66+	SM12
Material:	Polyamide 6	Polyamide 6.6 modified	Polyamide 12
Colours:	black	black	black
Temperature of use:	-20 to +70°C +120°C short time	-40 to +70°C +120°C short time	-40 to +60°C +120°C short time
Specifications:	good resistance against U.V. UL94-HB	protected against U.V. UL94-HB	protected against U.V. conform to norm NFC20540
Application:	For indoor use	For indoor and outdoor use	For indoor and outdoor use

type	art. no.		dimensions in mm length x width	maximum bundle Ø in mm	tensile strenght mini. daN
Cable ties for installations SM6					
SM6-183/60 BK-C	0189 0050 010	100	183 x 6	43	30
SM6-183/90 BK-C	0189 0060 010	100	183 x 9	41	40
SM6-265/90 BK-C	0189 0070 010	100	265 x 9	63	51
SM6-355/90 BK-C	0189 0080 010	100	355 x 9	90	51
Cable ties for installations SM66+ (in boxes)					
SM66+-183/90 BK-C	0189 0201 010	100	183 x 9	41	40
SM66+-265/90 BK-C	0189 0202 010	100	265 x 9	63	51
SM66+-355/90 BK-C	0189 0203 010	100	355 x 9	90	51
Cable ties for installations SM12					
SM12-183/60 BK-C	0189 0105 010	100	183 x 6	43	30
SM12-130/90 BK-C	0189 0165 010	100	130 x 9	25	40
SM12-183/90 BK-C	0189 0115 010	100	183 x 9	41	40
SM12-265/90 BK-C	0189 0125 010	100	265 x 9	63	51
SM12-355/90 BK-C	0189 0135 010	100	355 x 9	90	51
SM12-550/90 BK-C	0189 0145 010	100	550 x 9	150	55
SM12-780/90 BK-C	0189 0155 010	100	780 x 9	225	55

New



SES SC cable ties for cable trays (BK)
with inside and outside serrations



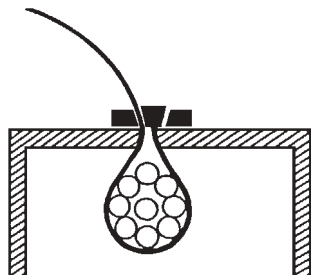
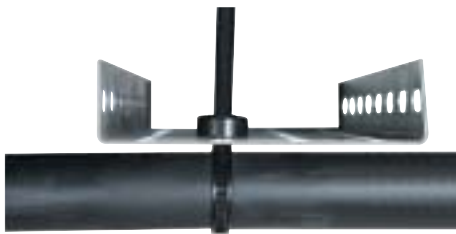
SES®- SC

PA 6/6 black (BK)

SC cable ties in black Nylon 6/6
(for indoor use)

- 20 to + 80°C

type	article number	pack	dimensions in mm length. x width	maximum bundle Ø in mm	tensile strength mini. daN
SC06-300/61 BK-C	0186 0471 010	100	300 x 6	85	30



Accessories- tie bases SES

for cable ties SL - SE - SR

and SM lashing ties



SES®

Wall plug

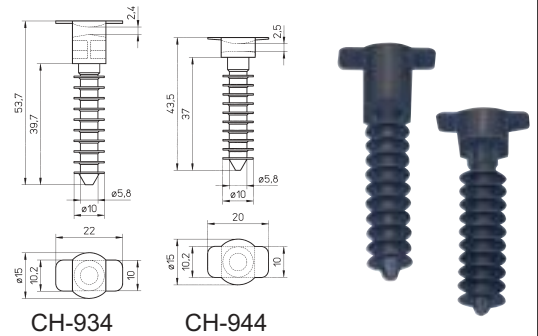
The tie bases with ankle in polyamide, black colour, are designed to be used with our cable ties for installation series SM width 90 mm. It is recommended to use the tie bases in PA6 for an interior use and the tie bases in PA12 for an external use.



Type	article number	pack	material	cable ties section max.	Ø bore in mm	bore depth in mm
------	----------------	------	----------	-------------------------	--------------	------------------

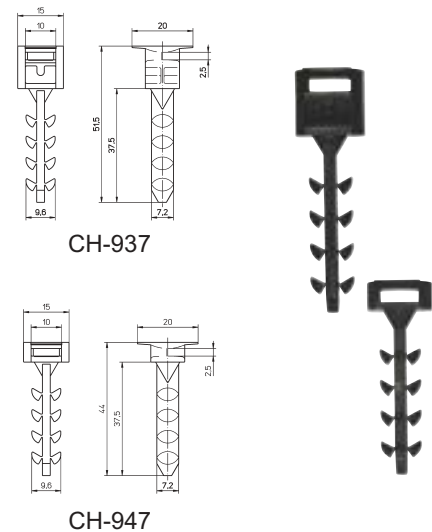
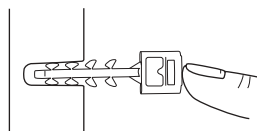
Mounting with tool

CH-934- 6	0189 0526 010	100	PA 6	2,4 x 10	8	41
CH-934-12	0189 0525 010	100	PA12	2,4 x 10	8	41
CH-944- 6	0189 0540 010	100	PA 6	2,5 x 10	8	38
CH-944-12	0189 0530 010	100	PA12	2,5 x 10	8	38



Manual mounting

CH-937- 6	0189 0541 010	100	PA 6	2,4 x 10	8	41
CH-937-12	0189 0542 010	100	PA12	2,4 x 10	8	41
CH-947- 6	0189 0543 010	100	PA 6	2,5 x 10	8	38
CH-947-12	0189 0544 010	100	PA12	2,5 x 10	8	38

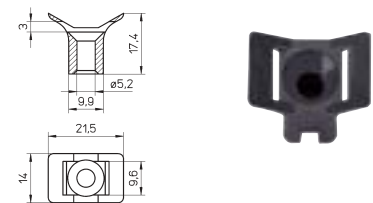


CH-935 wall plug with cradle in black PA 6 and PA 12

in black PA 6
CH-935-6 0189 0536 010 100

wall plug for ties of max. section 3 x 9,6 mm fixing by screw TF 5 mm

in black PA 12
CH-935-12 0189 0535 010 100

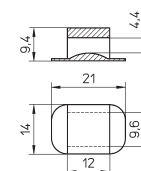


CH-936 double wall plug in black PA 6 and PA 12

in black PA 6
CH-936-6 0189 0516 010 100

double wall plug for 2 ties of max. passing section 4,4 x 9,6 mm

in black PA 12
CH-936-12 0189 0515 010 100





SES-2070 simple pull-up tool (for SES-QUICK cable ties up to 2,5 mm width)

to tighten the smaller of our cable ties up to 2,5 mm width

type	article number	pack	dimensions		weight
			length		
SES-2070	0127 0100 000	1	175 mm		45 g



F-50 simple cable tie tool (for SES-QUICK cable ties up to 4,8 mm width)
in plastic (no dynamometric device)

to tighten and crop ties up to 4,8 mm width. When cable tie is at required tension, hold and rotate the tool to cut off the excess tie tail.

type	article number	pack	length	dimensions		weight
				width		
F-50	0686 0800 000	1	170 mm	70 mm		60 g



F-200 adjustable cable tie tool (for SES-QUICK cable ties up to 4,8 mm width)
plastic handle

to tighten and crop ties up to 4,8 mm width. When cables are bundled at the required strength, the excess tie tail is automatically cropped. Four different tensile strengths from 4 to 11 daN can be selected.

type	article number	pack	length	dimensions		weight
				width		
F-200	0686 0750 000	1	160 mm	130 mm		200 g





SES-HD adjustable dynamometric cable tie tool (for SES-QUICK cable ties up to 7,8 mm width)
in plastic

Comfortable and ergonomically designed tool for to bind our cable ties up to 7,8 mm width. When cables are bundled to the desired strength, the excess tie tail is automatically cropped.

Four different tensile strengths can be selected :
2,5 - 6 - 10 - 14 daN



type	article number	pack	length	dimensions width	weight
SES-HD	0686 0700 000	1	160 mm	130 mm	200 g

F-301 adjustable cable tie tool (for SES-QUICK cable ties up to 4,8 mm width)
plastic handle

Comfortable and ergonomically designed tool to bind cable ties up to 4,8 mm width. When ties are tightened to desired strength, the excess tie tail is automatically cropped.

Eight different tensile strengths from 4 to 11 daN can be selected.



type	article number	pack	length	dimensions width	weight
F-301	0686 0551 000	1	170 mm	130 mm	270 g

F-350 adjustable cable tie tool (for SES-QUICK cable ties up to 4,8 mm width)
metallic

for cable ties up to 4,8 mm width. When ties are tightened to the desired strength, the excess tie tail is automatically cropped.

Four different tensile strengths from 1 to 9 daN can be selected.



type	article number	pack	length	dimensions width	weight
F-350	0686 0550 000	1	160 mm	130 mm	300 g



**F-90 cable tie tool for SM, SE and SL lashing ties (width from 7,6 to 9 mm)
metallic**

to tighten our SM and QUICK lashing ties up to 9 mm width. When cables are bundled to the required strength, press on the small handle to cut off the excess tie tail.

Very tight tensioning can be made with this tool which is specially adapted for SM installation ties.



type	article number	pack	length	dimensions width	weight
F-90	0686 0600 000	1	190 mm	100 mm	300 g

**F-95 cable tie tool for SM, SE, SL and LT lashing ties (width from 7,6 to 13mm)
metallic, with dynamometric cutting device**

to tighten our SM and QUICK cable ties up to 13 mm width. The tensile strength can be adjusted with the button at the end of the lower handle. When cables are bundled to the desired strength, the excess tie tail is automatically cropped.

Very tight tensioning can be achieved with this tool which is specially adapted to SM, SL and LT lashing ties.



type	article number	pack	length	dimensions width	weight
F-95	0686 0610 000	1	200 mm	90mm	320g



		Pages du catalogue Katalogseite Catalogue pages Paginas in de catalogus Paginas del catalogo	Densité / Dichte Density / Dichtheid	Dureté / Härte / Hardness Hardheid / Durezza	Retrait longitudinal / Längsschrumpung longitudinal shrink / Krimp in de lengte richting Contracción longitudinal	Point de fusion / Schmelzpunkt Melting point / Smeltpunt	Température d'application Ersetztemperatur Operating temp. range Gebruikstemperatuur temp. de utilización	Temp. de rétract / Schrumpf temperatuur / Krimp temperatuur / temp. contracción	Résistance à la rupture / Tear strength at break / Scheurvastheid Resist. a la rotura	Allongement à la rupture Reissdehnung / Ultimate elongation Max. rek voor breuk Estreñamiento rotura	Résist. à basse temp. Kältebeständigkeit Low temp. resistance Lage temp.-bestendigheid Res. a bajas temp.
			g/cm ³	Sh A	%	°C	°C	°C	MPa	%	°C
HELAVIA	Qual. 3490	A1/1 A2/1		40 ±5			≤ +90		> 8	> 600	-30
SILAVIA	Qual. 2412	A1/3 A2/2		40 ±5			≤ +200		> 7	> 600	-80
PLIO-SUPER	Qual. 9923	A3/1 A3/2	1,30	90 ±5			≤ +90		24	300	≥ -20
PLIO-HT	Qual. 9861	A3/5-6	1,30	80 ±5			+105 continuous		20	300	-40 (norm ASTM)
PLIO-BT	Qual. 9863	A3/5-6	1,22	75 ±5			≤ +70		> 15	400	-50 chocs
PLIO tube	Qual. 9832	A3/7	1,23	85 ±5			≤ +60		> 22,5	350	-20
PLIO INDUS	Qual. 9836-10	A3/8	1,43	85 ±5			-30 to +85		15	250	
PLIO-R & R-VJ	Qual. 9901	A4/1	1,3	97 ±5	20 to 30		-20 to +90	+120	20	250	
PLIOFINE	SAM	A4/4			≤ 15			+90/100	> 12	> 200	
	B	A4/7	≤ 1,0		≤ -10			115	20	≥ 200	
	B-EX	A4/9	≤ 1,35		≤ -5			+90	15	≥ 300	
	BX-VJ	A4/11	≤ 1,35					≤ -10%	12,7		
	AD-UL3	A4/12	≤ 1,35		≤ +5-10				12	≥ 300	
PLIOSPIRE	Qual. PVC 9921	A5	1,30			+100	-15 to +80		25	300	
	Qual. PTFE		2,20			+325	-200 to +260		20	300	
	Qual. PA 6 BK (010)		1,08			+215	-40 to +120		35	240	
	Qual. PP BK (010)		0,92			+160	-40 to +90		30	500	
	Qual. PE NL (018)		0,90			+112	-50 to +85		12	550	
	Qual. PE BK (010)		0,95			+112	-50 to +85		12	550	
	Qual. PE WH (001)		0,97			+112	-50 to +75		12	400	
PLIOSIL	PET	A6/1	1,38			260	-50 to +130			28	
	PA 6.6	A6/2	1,14			258	-55 to +135			25	
ELECTROFLEX	normal BK (010) color BU (002) oil GH (003)	A7/1					-20 to +60 -10 to +90 -20 to +60		2 to 7,5 2 to 7,5 11,8	85 to 100 85 to 100 285	
POLYFLEX	PA 6	A7/3					-40 to +120		40-70		
HELAVIA	Polychloropren Nitrile EPDM	A20		40 to 60 60 ±5 50 to 80			-30 to +90 -25 to +100 -25 to +100		> 6 > 12 > 8	> 500 > 500 >200	- 30 - 25 - 25
PLIOPRENE	TPE TPE extra flexible	A21	1,0 0,9	60 ±5 40-45			-50 to +125 -40 to +70		> 4,5 8	> 300 600	
PLIO	PVC 9542	A22/1..5	1,2	60 ±5			≤ +70		10	> 350	-30
	PVC 9641	A22/10&11		70 ±5			≤ +75		13	350	-25
DM	PA 6	A22/20	1,13				+70 continuous +120 peak		50	45	-20
PLIO Pliocap	PE	A22/6	0,92				-50 to +85		11	> 200	
PLIO Caps	PP	A22/6	0,90				-40 to +85		28	12	
	PVC	A22/30	1,20				-25 to +75		13	350	
	PE	A22/30	0,92				-50 to +85		11	> 200	
	PA6/6	A22/30	1,14				-40 to +110		65	300	
	PA6	A22/30	1,13				-20 to +70		50	> 50	
	PP	A22/30	0,90				-25 to +90		26	8	
PLIOBORD	PE standard	A23/1	0,92				-50 to +85		> 12	> 550	-50
	PE non flammable	A23/1	0,97				-50 to +75		> 10	> 600	
A 720	A 720	A23/2-3					+105 continuous	+130			-55
SI-303	Silicone	A23/2-3	1,17				-70 to +250			> 400	
PLIOPLAST	PLIOPLAST 15	A23/4							> 2,8	> 150	
	PLIOPLAST 18		> 3,5	> 250							
	PLIOPLAST 25		> 5,4	> 175							



		Pages du catalogue Katalogseiten Catalogue pages Páginas in de catalogus Páginas del catálogo	Résistivité transversale Durchgangswiderstand Volume resistivity Dwarsweerstand Resistividad transversal	Constante diélectrique Dielektrischer Faktor Dielectric constant Dieletrische constante Constante dieléctrica	Rigidité diélectrique Durchschlagfestigkeit Dielectric strength Dieletrische constante Rigidez dieléctrica	Tenue à la flamme Brandverhalten Flame resistance Brandbestandheid Comport. ante llama	Corrosivité / Korrosion Corrosion / Corrosiegeefrag Corrosividad	Absorption d'eau / Wasseraufnahme Water Absorption / WochtabSORption Absorción de agua	Indice d'oxygène / Sauerstoffindex Limiting oxygen index (LOI) Zuurstoffindex / índice de oxígeno
			Ohm x cm		kV/mm			%	%
HELAVIA	Qual. 3490	A1/1 A2/1	4 x 10 ⁹		> 13	UL 94-V0/M3			28
SILAVIA	Qual. 2412	A1/3 A2/2	10 ¹⁵		18				
PLIO-SUPER	Qual. 9923	A3/1 A3/2	to 20°C : 3x10 ¹²		20	UL94-V2			
PLIO-HT	Qual. 9861	A3/5-6			> 20	UL94-V0			
PLIO-BT	Qual. 9863	A3/5-6							
PLIO Tube	Qual. 9832	A3/7	to 20°C : 1x10 ¹³		> 20				
PLIO INDUS.	Qual. 9836-10	A3/8							
PLIO-R & R-VJ	Qual. 9901	A4/1	10 ¹²		20	UL94-V0		0,2	
PLIOFINE	SAM B B-EX BX-VJ AD-UL3	A4/4 A4/7 A4/9 A4/11 A4/12	> 10 ¹⁴ 10 ¹⁵ 10 ¹⁴ 10 ¹⁴ 10 ¹⁰		> 20 25 20 20 16	VW-UL 224 self-extinguishing except transparent		≤ 0,2 ≤ 0,5 ≤ 0,5 ≤ 1,0	
PLIOSPIRE	Qual. PVC 9921 Qual. PTFE Qual. PA 6 BK (010) Qual. PP BK (010) Qual. PE NL (018) Qual. PE BK (010) Qual. PE WH (001)	A5		4 2,0 3,7 2,5 2,2 2,2 2,2	20 50 16 > 25 > 25 > 25 > 25	UL94-V0 HB UL94-V2		0 2 < 0,1 < 0,1 < 0,1 < 0,1	0,1
PLIOSIL	PET PA 6.6	A6/1 A6/2				UL94-V2			27,5 26,5
ELECTROFLEX	normal BK (010) color BU (002) oil GH (003)	A7/1			4 4 4	UL94-V0 UL94-V0			
POLYFLEX	PA 6	A7/3	10 ¹²						
HELAVIA	Polychloropren Nitrile EPDM	A20	> 4x10 ⁸ 10 ¹⁰		> 13 12 max.				
PLIOPRENE	PLIOPRENE TPE PLIOPRENE TPE extra souple	A21	9 x 10 ¹⁴ 10 ¹⁴		35 30				
PLIO	PVC 9542 PVC 9641	A22/1.5 A22/10 & 11	10 ¹³		> 20	UL94-HB			
DM	PA 6	A22/20	10 ¹³	3,2	50	UL94-V2		2,5	
PLIO Passe-fils Pliocap	PE PP	A22/6 A22/6	10 ¹⁶ 10 ¹⁶		> 16 > 20	- -		< 0,1 < 0,1	
PLIO Capuchons	PVC PE PA6/6 PA6 PP	A22/30 A22/30 A22/30 A22/30 A22/30	10 ¹³ 10 ¹⁶ 10 ¹⁴ 10 ¹² > 10 ¹⁷		> 20 > 16 26 60 50	- - UL94-V2 UL94-V2 -		< 0,1 < 0,1 2,5 - < 0,1	
PLIOBORD	PE standard PE non inflammable	A23/1	10 ¹⁷ 10 ¹⁷	2,2 2,2	60 60	- UL94-V2		< 0,1 < 0,1	
A 720	A 720	A23/2-3			30		Nulle T° lim. util.		
SI-303	Silicone	A23/2-3	10 ¹⁵	2,9	16				
PLIOPLAST	PLIOPLAST 15 PLIOPLAST 18 PLIOPLAST 25	A23/4				self-extinguishing	1 1 1		

Caractéristiques techniques
Technische Daten
Technical properties
Technische gegevens
Datos técnicos



Groupe B
Gruppe B
Group B
Groep B
Grupo B

		Pages du catalogue Katalogseite Catalogue pages Paginas in de catalogus Páginas del catálogo	Densité / Dichte Density / Dichtheid Densidad	Dureté / Härte / Hardness Hardheid / Dureza	Retrait longitudinal / Längsschrumpung / longitudinal shrink / Krimp in de lengte / contracción longitudinal	Point de fusion / Schmelzpunkt Melting point / Smeltpunt Punto de fusión	Température d'utilisation Einsatztemperatur Operating temp. range Gebruikstemperatuur temp. de utilización	Temp. de rétrécit / Schrumpfemperatur / Shrink temp. Krimptemperatuur / Temp. contracción	Résistance à la rupture / Tensile strength at break Schervastand Resist. à la rotura	Allongement à la rupture / Reissdehnung / Ultimate elongation Max. rek voor breuk Estramiento rotura	Résist. à basse temp. Kältebeständigkeit Low temper. resistance Lage temp.-bestendigheid Res. a bajas temp.
			g/cm ³	Sh A	%	°C	°C	°C	MPa	%	°C
PLIOTEX-V+	Qual. 9879	B7/4	1,30	80±5			-15 to +90		19	300	

Caractéristiques techniques
Technische Daten
Technical properties
Technische gegevens
Datos técnicos



Groupe C
Gruppe C
Group C
Groep C
Grupo C

		Pages du catalogue Katalogseite Catalogue pages Paginas in de catalogus Páginas del catálogo	Densité / Dichte Density / Dichtheid Densidad	Dureté / Härte / Hardness Hardheid / Dureza	Retrait longitudinal / Längsschrumpung / longitudinal shrink / Krimp in de lengte / contracción longitudinal	Point de fusion / Schmelzpunkt Melting point / Smeltpunt Punto de fusión	Température d'utilisation Einsatztemperatur Operating temp. range Gebruikstemperatuur temp. de utilización	Temp. de rétrécit / Schrumpfemperatur / Shrink temp. Krimptemperatuur / Temp. contracción	Résistance à la rupture / Tensile strength at break Schervastand Resist. à la rotura	Allongement à la rupture / Reissdehnung / Ultimate elongation Max. rek voor breuk Estramiento rotura	Résist. à basse temp. Kältebeständigkeit Low temper. resistance Lage temp.-bestendigheid Res. a bajas temp.
			g/cm ³	Sh A	%	°C	°C	°C	MPa	%	°C
GF-DIN GF GK	Qual. 9051	C1	1,56				-5 to +65				
PLIOFLEX GX-1	PP choc	C6/1 C3/5	0,97				-30 to +90		23	300	
PLIO GX	PS choc AF	C3/5	1,06				-40 to +70		36	40	
GV GI-M	Qual. 9057	C4/6 C6/3	1,45				-20 to +60				
PLIO XE	PP PE	C6/2	0,9				+85 continuous +120 peak		28	12	-40
SES-QUICK											
SL SE SKB SX R RB RA T TE TI LI SDA Pliograin	PA6.6 NL (018)	C12/1..7 C12/15 C13/1				255	-40 to +85 -150 peak				-40
Plio-grain SM6	PA6 BK (010)	C13/1 C15/1-2				215/220	-20 to +70 +120 peak				-20
SL-black LT SDB	PA6.6 BK (010)	C12/11 C12/12 C12/16				255	-40 to +85 -150 peak				-40
RA-HT SL-HT SE-HT SR-HT	PA6.6 HT BK (010)	C12/5 C12/20.21.22				255	-40 to +110 +180 peak				-40
SL Colour	PA6.6 colour	C12/13									
CR SL-PA12 SM12	PA12 BK (010)	C12/17 C12/24 C15/1-2				165/170	-40 to +60 +120 peak				-40
SL-White	PA6.6 WH (001)	C12/23				255	-40 to +85 -150 peak				-40
SL-PP	PP BN (006)	C12/25	0,9			150	-20 to +65		30	500	
Plio-grain CB SF TW	PE NL (018)	C13/1...4	0,92			112	-20 to +65		12	550	-20





		Pages du catalogue Katalogseite Catalogue pages Paginas in de catalogus Páginas del catálogo	Resistivité transversale Durchgangswiderstand Transversal resistivity Dwarsgeestand Resistividad transversal	Constante diélectrique Dielektrischer Faktor Dielectric constant Dielektrische constante Constante dieléctrica	Rigidité diélectrique Durchschlagfestigkeit Dielectric strength Dielektrische constante Rigidez dieléctrica	Tenue à la flamme Brandverhalten Flame resistance Brandbestendigheid Comport. ante flama	Corrosivité / Korrosion Corrosion / Corrosiegedrag Corrosividad	Absorption d'eau / Wasseraufnahme Water Absorption / Nachabsorption Absorción de agua	Indice d'oxygène / Sauerstoffindex Limiting oxygen index (LOI) Zuurstoffindex / Índice de oxígeno
			Ohm/cm		kV/mm			%	MPa
GF-DIN GF GK	Qual. 9051	C1	10 ¹⁵		15 DIN 53481	UL94-V0 M2	BON		
PLIOFLEX GX-1	PP choc	C6/1 C3/5	10 ¹⁶	2,0	28	UL94-V2 M3 CSTB NPF92-507		< 0,1	28,5
PLIO GX	PS choc AF	C3/5	5,10 ¹⁵		44	UL94-V2		0,1	24
GV GI-M	Qual. 9057	C4/6 C6/3	10 ¹⁴		15	UL94-V0			
PLIO XE	PP PE	C6/2	10 ¹⁶	2,3	> 20			< 0,1	
SES-QUICK									
SL SE SKB SX R RB RA T TE TI LI SDA Pliograin	PA6.6 NL (018)	C12/1..7 C12/15 C13/1				UL94-V2	smoke 5% NFC20453	2-2,5	
Plio-grain SM6	PA6 BK (010)	C13/1 C15/1-2				UL94-HB		2-3	21
SL-black LT SDB	PA6.6 BK (010)	C12/11 C12/12 C12/16				UL94-V2	smoke 5% NFC20453	2-2,5	
RA-HT SL-HT SE-HT SR-HT	PA6.6 HT BK (010)	C12/5 C12/20.21.22				UL94-V2	smoke 5% NFC20453	2-2,5	
SL Colour	PA6.6 colour	C12/13							
CR SL-PA12 SM12	PA12 BK (010)	C12/17 C12/24 C15/1-2				UL94-HB	smoke < 5% NFC20453	1	22-23
SL-B White	PA6.6 WH (001)	C12/23				UL94-V0	smoke 5% NFC20453	2-2,5	35
SL-PP	PP BN (006)	C12/25						< 0,1	
Plio-grain CB SF TW	PE NL (018)	C13/1...4						< 0,1	



List of the SES-STERLING halogen free products

Family	Typ	Material*	Catalogue page
--------	-----	-----------	----------------

Group A - Cable protection and isolation

0105	Terminal boots	PE - PA - PP	A22/30
0115	Terminal boots for Pliopren clips	TPE	A21/4
0131	Strain relief bushes DM	PA	A22/20
0135	Grommets DO oval TPE	TPE	A22/4
0143	Grommets PLIOCAP	PP-PE	A22/6
0144	Grommets DG-TPE Pliopren	TPE	A21/2
0145	Grommets DK-TPE Pliopren	TPE	A21/1
0146	Strain relief grommets TPE Pliopren	TPE	A21/3
0204	Self welding tape SI-303	Silicon	A23/2-3
0205	SILAVIA sleeves	Silicon	A1/3
0207	Insulating sleeving PLIOPRENE TPE	TPE	A3/10
0211	SILAVIA sleeving	Silicon	A2/2
0214	Insulation sleeving SILA-SUPER	Silicon	A3/20
0624	Expandable braided sleeving PLIOSIL except PET-V0 (halogen marks)	PET - PA	A6/1
0630	PLIOWELL sleeving	PA	A7/4
0631	PLIOLOCK - PLIOQUICK seals	PA	A7/5
0639	Pliofine B sleeves and sleeving	PE	A4/4
0646	Pliofine A720 self-welding tape	PE	A23/2-3
0651	BA 6 standard terminal boots	PP	A22/31
A698	CO-FLEX conduit	PA	A7/4
0707	Lubricant for Helavia and Silavia sleeves	Oil	A1/4
0741	ELECTROFLEX glands	PP-PA	A7/2
0819	PLIOSPIRE PE/PE-N/PP-N/PA-N cable binding	PE-PP-PA	A5/1
0820	PLIOZIP protection tubing	PP	A5/4
0826	PLIOBORD P and C grommet strip	PE	A23/1

Group B - Wire identification

0101	SES label holder	PS	B12/7
0102	FIX label holder (except strapping that is in PVC)	PS	B12/4
0117	PROTECTOR E and P label holder	PS	B12/5
0124	W and WL clamping label holder	Ac. Cellulose	B12/1
0125	Markers EC unprinted	PS	B10/3
0126	Markers ER unprinted	PS	B10/3
0130	Fixing studs	PE	B7/3
0140	PLIO-MARKERS PE labels	PE	B13/5
0301	Code marker cards MYLAR	PET	B1 - B2
0306	Wrap round tapes MYLAR	PET	B3/1
0308	Spot it labels MYLAR high tension flash symbol	PET	B2/8
0354	Printed boots for standard crimp terminals	PE-PA	B10/4
0355	Rigid printed insulating and identification EC markers	PS	B10/3
0356	Rigid printed insulating and identification ER markers	PS	B10/3
0358	SILAVIA-TWIN markers, printed	Silicon	B9/2
0364	SILAVIA-TWIN markers, printed	Silicon	B6/3
0365	Carriers	PA	B5/2
0369	Fixing studs PA	PA	B7/3
0373	Carriers PR	EVA	B5/1
0374	Pliosnap +	POM	B8/1
0378	PLIOSCRIB plates	PS	B13/20
0379	Marking plates for terminal PA		B10/5
0642	Bootlace ferrules CA	PA	B7/5
0736	Tapes for cassettes	PET	B4/1
0737	PLIO-CLIP markers	PA	B8/3
0738	PLIOMARK ABSA - MINOX system	Inox	B12/10



List of the SES-STERLING halogen free products

Family	Typ	Material*	Catalogue page
Group C - Cable trunking and strapping			
0103	Strapping	PS	C9/1
0104	Studs	PA	C9/1
0106	Supports FB140 (except strapping in PVC)	PA	C9/4
0109	Cable clamp CM	PA	C10/1-2
0110	Cable clamp CU	PA	C10/1-2
0112	Cable tie base S	PS choc	C14/1
0113	Cable ties PLIO-GRAINS	PA - PE	C13/1
0114	CX cable clamps	PA	C10/3
0116	CF clips	PA	-
0120	CN clips	PA	C10/4
0121	CR cable ties releasable	PA	C12/17
0127	Accessories CH and CB	PA-POM	C14/2
0136	XE cable clips	PA-PP	C6/2
0140	Write on plate CH	PA-PP-PE	C14/4
0141	CB cable ties	PE	C13/2-3
0186	Cable ties SES Quick + Accessories	PA- PP - PE	C12
0187	Metallic cable ties INOX-QUICK	Acier inox	C13/30
0189	SM cable ties + Accessories	PA	C15/1-2
0611	Screw + nuts	PA	C10/30
0629	SES-B wall plugs	PA	C11/1
0635	SES-rivets	POM-PA	C3/1
0643	ABSA lacing cord	PA	C9/6
0650	PLIO-BANDE self adhesive tape	—	C3/1
0686	SP clamps with adhesive tape	PA	C10/5-6
0711	CT clamps	PS	C10/5-6
0711	GFB adhesive cable clamps	ALU	C10/20
0821	SES WRAP ties	PE-PA	C13/20
0830	PA-E strapping	PA	C9/2-3
0845 0901	PLIO GZ-01 lock stud	PA	C3/1
0845 0902	PLIO GZ-02 clamping bracket	PA	C3/1
0845 0915	Retaining clip PLIO GX- A6/4	PS	C3/5
0845 0916	Retaining clip PLIO GX-DIN A7/5	PS	C3/5
0845 0917	Retaining clip PLIO GX-1	PP	C3/5
0845 0918	Retaining clip PLIO GX-2	PP	C3/5
0845	Label holder for trunking	PC	C3/6
0846 0501	Locking carrier BV-70	PA	C4/5
0848	GF-DIN-SH S trunking	PPO	C1/1

* Abreviation material :

CA	Cellulose acetate
PA	Polyamide (6-6.6-12)
PC	Polycarbonate
PE	Polyethylene
PET	Polyester
PS	Polystyrene
POM	Polyoxymethylene (or polyacetal)
PP	Polypropylene
PPO	Polyoxyphenylene oxyde
TPE	Thermoplastic elastomer