

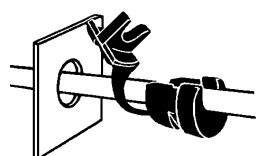
SES strain relief bushes DM in Polyamide 6

(for technical properties see page D100)

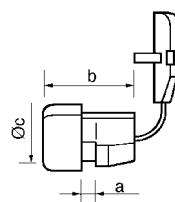
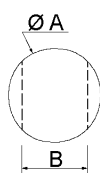


DM-SES

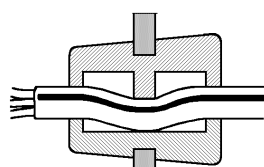
-20 to +70°C



Round bore ($\varnothing A$)
For torsional protection of
strain relief grommets, an
oblong bore (B) is required.



type	article number black	article number white	pack	wire diameter in mm		dimensions in mm				
				PVC insulation	rubber insulation	Ø A	B	bore a	b	Ø
round cables										
DM 2	0131 0012 010	0131 0012 001	100	Ø 3 to 4,5	Ø 3 to 4,5	9,5	8,5	1,7	10,3	11
DM 2L	0131 0032 010	0131 0032 001	100	Ø 3 to 4,5	Ø 3 to 4,5	9,5	8,5	3,1	10,3	11
DM 4	0131 0001 010	0131 0001 001	100	Ø 5 to 6,5	Ø 5 to 7	13,0	11,5	2,5	12,0	14
DM 5	0131 0010 010	0131 0010 001	100	Ø 6,5 to 7,5	Ø 6,5 to 7,5	13,0	11,5	2,5	11,0	14
DM 6	0131 0002 010	0131 0002 001	100	Ø 6,6 to 8	Ø 7,1 to 9	16,0	14,0	3,0	17,0	18
DM 7	0131 0003 010	0131 0003 001	100	Ø 8,1 to 10	Ø 9,1 to 11	22,5	21,0	3,0	20,0	25
DM 8	0131 0004 010	0131 0004 001	100	Ø 10,1 to 12,5	Ø 11,1 to 16	22,5	21,0	3,5	22,0	25
flat cables										
DM 2P	0131 0022 010	0131 0022 001	100	3 x 5	3 x 5	9,5	8,5	1,7	10,3	11
DM 2LP	0131 0042 010	0131 0042 001	100	3 x 5	3 x 5	9,5	8,5	3,1	10,3	11
DM 4P	0131 0020 010	0131 0020 001	100	3 x 7,6	3,8 x 7,1	13,0	11,5	2,8	10,5	14
DM 6P	0131 0021 010	0131 0021 001	100	5 x 9	5 x 9	16,0	14,0	3,0	17,0	18

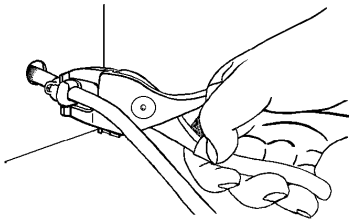


principle of cable
clamping

Application tools : see following page



type	article number	pack	description	characteristics	
				length	weight
DM manual tool					
R 29	0655 0001 000	1	rack and pinion pliers with adjustable jaws to apply all types of strain relief grommets DM-SES	180 mm	270 g





		Pages du catalogue Catalogseite Catalogue pages Página's in de catalogus Páginas del catalogo	Densité / Dichte Density / Dichtheid Densidad	Dureté / Härte / Hardness Hardheid / Dureza	Retrait longitudinal / Längsschrumpfung Longitudinal shrink / Krimp in de lengte richting Contracción longitudinal	Point de fusion / Schmelzpunkt Melting point / Smettpoint Punto de fusión	Température d'utilisation Einsatztemperatur Operating temp. range Gebruikstemperatuur Temp. de utilización	Temp. de rétrécit / Schrumpftemperatur / Shrink temp. Krimptemperatuur / Temp. contracción	Résistance à la rupture / Zugfestigkeit Eerste strenght at break / Scheren vastheid Resist. a la rotura	Allongement à la rupture Reissdehnung / Ultimate elongation Max. rek voor breuk Estramiento rotura	Résist. à base temp. Kalebasdrangheid Low temper. resistance Lage temp.-bestendigheid Res. a bajas temp.
			g/cm³	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)	A7/1					-20 to +60		2 to 7,5	85 to 100	
	calor BU (002)						-10 to +90		2 to 7,5	85 to 100	
	oil GH (003)						-20 to +60		11,8	285	
POLYFLEX	PA 6	A7/3					-40 to +120		40-70		
HELAVIA	Polychloropren	A20		40 to 60			-30 to +90		> 6	> 500	- 30
	Nitrile			60 ±5			-25 to -100		> 12	> 500	- 25
	EPDM			50 to 80			-25 to +100		> 8	> 200	- 25
PLIOPRENE	TPE	A21	1,0	60 ±5			-50 to +125		> 4,5	> 300	
	TPE extra flexible		0,9	40-45			-40 to +70		8	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						-18 to +80		> 5,4	> 175	



		Pages du catalogue Katalogseite Catalogue pages Páginas in de catalogus Páginas del catálogo	Résistivité transversale Durchgangswiderstand Volume resistivity Dwarsweerstand Resistividad transversal	Constante diélectrique Dielektrischer Faktor Dielectric constant Dielectrische constante Constante dieléctrica	Rigidité diélectrique Durchschlagfestigkeit Dielectric strenght Dielectrische constante Rigidez dieléctrica	Tenue à la flamme Brandverhalten Flame resistance Brandbestendigheid Comport. ante llama	Corrosivité / Korrosion Corrosion / Corrosiegedrag Corrosividad	Absorption d'eau / Wasseraufnahme Water Absorption / Vochtabsorptie Absorción de agua	Indice d'oxygène / Sauerstoffindex Limiting oxygen index (LOI) Zuurstofindex / 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	A4/4	> 10 ¹⁴		> 20	VW-UL 224 self-extinguishing except transparent		≤ 0,2	
	B	A4/7	10 ¹⁵		25			≤ 0,5	
	B-EX	A4/9	10 ¹⁴		20			≤ 0,5	
	BX-VJ	A4/11	10 ¹⁴		20			≤ 0,5	
	AD-UL3	A4/12	10 ¹⁰		16			≤ 1,0	
PLIOSPIRE	Qual. PVC 9921	A5		4	20	UL94-V0 HB		0	0,1
	Qual. PTFE			2,0	50			2	
	Qual. PA 6 BK (010)			3,7	16			< 0,1	
	Qual. PP BK (010)			2,5	> 25	UL94-V2		< 0,1	
	Qual. PE NL (018)			2,2	> 25			< 0,1	
	Qual. PE BK (010)			2,2	> 25			< 0,1	
PLIOSIL	Qual. PE WH (001)			2,2	> 25			< 0,1	
PLIOSIL	PET PA 6.6	A6/1 A6/2				UL94-V2			27,5 26,5
ELECTROFLEX	normal BK (010) calor 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	A21	9 x 10 ¹⁴		35				
	PLIOPRENE TPE extra souple		10 ¹⁴		30				
PLIO	PVC 9542	A22/1.5	10 ¹³		> 20	UL94-HB			
	PVC 9641	A22/10 & 11							
DM	PA 6	A22/20	10 ¹³	3,2	50	UL94-V2		2,5	
PLIO Passe-fils Pliocap PLIO Capuchons	PE	A22/6	10 ¹⁶		> 16	-		< 0,1	
	PP	A22/6	10 ¹⁶		> 20	-		< 0,1	
	PVC	A22/30	10 ¹³		> 20	-		< 0,1	
	PE	A22/30	10 ¹⁶		> 16	-		< 0,1	
	PA6/6	A22/30	10 ¹⁴		26	UL94-V2		2,5	
	PA6	A22/30	10 ¹²		60	UL94-V2		-	
	PP	A22/30	> 10 ¹⁷		50	-		< 0,1	
PLIOBORD	PE standard	A23/1	10 ¹⁷	2,2	60	-		< 0,1	
	PE non inflammable		10 ¹⁷	2,2	60	UL94-V2		< 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	A23/4				self-extinguishing	1		
	PLIOPLAST 18						1		
	PLIOPLAST 25						1		

