

PMA Divisible System

General technical details

One-piece Divisible System. The ideal solution for repairs, retrofit and pre-loomed applications. Equally all PMA conduits are compatible.

PMA offers a divisible system based upon PMA standard nominal widths.

This allows free combination of the PACOF and PPCOF divisible conduits with PMAFIX Pro, PMAFIX and PMA Smart Line fittings. Using the PMA Divisible System Fittings repairs can be easily made to existing installations without disconnecting cables. Equally all PMA conduits – also slit – are compatible with the fittings of the divisible system.

Material

- Conduits made from spec. formulated PA 6 and Polypropylene
- Fittings made from specially formulated polyamide 6
- Colour: Black
- Free from halogens, REACH + RoHS compliant
- Temperature range:
Conduits: -40°C to $+160^{\circ}\text{C}$
Connectors: -40°C to min. $+105^{\circ}\text{C}$

Characteristics

- Fast installation
- Conduit can be installed in fitting prior to closing the fitting
- High impact resistance
- High conduit pull-out strength
- Fits conduit profiles – fine (T) and coarse (G)






Conduits

Type PACOF & PPCOF


Type PACOF - Flexible, divisible

	Order no. black	Fits to conduit size		Inside Ø (mm)	Outside Ø (mm)	Stat. radius (mm)	PU meter
		NW	Metric				
	PACOF-07B	07	10	5.6	10.0	30	50
	PACOF-10B	10	12	8.5	12.8	33	50
	PACOF-12B	12	16	11.0	15.6	35	50
	PACOF-17B	17	20	15.5	21.1	45	50
	PACOF-23B	23	25	22.1	28.4	70	50
	PACOF-29B	29	32	27.2	34.5	120	50
	PACOF-36B	36	40	32.0	42.4	145	30
	PACOF-48B	48	50	43.9	54.1	150	30
	PACOF-70B	70	80	62.0	79.0	190	10

PACOF Index

min.	max.
Ductility	Can be opened and closed again in longitudinal direction any time Good ductility
Fatigue reversed bending	Good compression resistance
Compression resistance	Free from halogens, REACH + RoHS compliant
Low temperature performance	Temperature range: -40°C to +105°C, short-term to +160°C
Weathering resistance	IP50

Type PPCOF - Flexible, divisible

	Order no. black	Fits to conduit size		Inside Ø (mm)	Outside Ø (mm)	Stat. radius (mm)	PU meter
		NW	Metric				
	PPCOF-07B	07	10	5.6	10.0	25	50
	PPCOF-10B	10	12	8.5	12.8	28	50
	PPCOF-12B	12	16	11.0	15.6	35	50
	PPCOF-17B	17	20	15.1	21.1	45	50
	PPCOF-23B	23	25	22.1	28.4	60	50
	PPCOF-29B	29	32	26.6	34.5	100	50
	PPCOF-36B	36	40	31.8	42.4	120	30
	PPCOF-48B	48	50	43.9	54.1	140	30
	PPCOF-70B	70	80	60.5	78.0	200	10


PPCOF Index

min.	max.
Ductility	For machine building and plant construction For trouble-free retrofitting and applicable for repairs
Fatigue reversed bending	Specially modified polypropylene PP Can be opened and closed again in longitudinal direction any time Good reversed bending resistance
Compression resistance	Temperature range: -20°C to +105°C, short-term to +150°C
Low temperature performance	IP50
Weathering resistance	

Connectors, lock nuts

Type LNO & LN

Type LNO - Divisible connector straight, one-piece, metric thread

	Order no. black	Thread metric	Fits to conduit size		Thread length (mm)	Overall length (mm)
			NW	Metric		
	BLNO-M160	M16 x 1.5	10	12	13.0	37.5
	BLNO-M162	M16 x 1.5	12	16	13.0	39.5
	BLNO-M202	M20 x 1.5	12	16	13.0	39.5
	BLNO-M207	M20 x 1.5	17	20	13.0	43.5
	BLNO-M257	M25 x 1.5	17	20	14.0	44.5
	BLNO-M253	M25 x 1.5	23	25	14.0	52.5
	BLNO-M323	M32 x 1.5	23	25	17.0	56.0
	BLNO-M329	M32 x 1.5	29	32	17.0	61.0
	BLNO-M409	M40 x 1.5	29	32	21.0	65.0
	BLNO-M406	M40 x 1.5	36	40	22.0	74.5
	BLNO-M508	M50 x 1.5	48	50	22.0	80.5

Divisible connector straight, one-piece, metric thread

Compatible with PMA standard, slit and divisible conduits with standard nominal widths


In industries, plant construction, machine building as well as in house and electrical installations

For retrofit installation or repair

IP54

Special: Push-in installation of conduit into pre-installed fitting also possible

Type LN - Divisible lock nut, metric thread

	Order no. black	Thread metric	Fits with divisible connector		Wrench size (mm)	Width (mm)
			BLNO-M160	BLNO-M162		
	BLN-M16	M16 x 1.5	BLNO-M160	BLNO-M162	22.0	8.0
	BLN-M20	M20 x 1.5	BLNO-M202	BLNO-M207	26.0	8.0
	BLN-M25	M25 x 1.5	BLNO-M257	BLNO-M253	32.0	9.0
	BLN-M32	M32 x 1.5	BLNO-M323	BLNO-M329	41.0	12.0
	BLN-M40	M40 x 1.5	BLNO-M409	BLNO-M406	50.0	15.0
	BLN-M50	M50 x 1.5	BLNO-M508		60.0	15.0

Compatible with divisible PMA connectors, type BLNO


For retrofit installation or repair

Temperature range: -40°C to +100°C, short-term: +130°C

T, Y pieces, connection splice


Type LTO & LYO

Type LTO - Divisible T piece, one-piece

	Order no. black, IP40	3x conduit sizes	
		NW	Metric
	BLTO-070707	07	10
	BLTO-101010	10	12
	BLTO-121212	12	16
	BLTO-171717	17	20
	BLTO-232323	23	25
	BLTO-292929	29	32

Compatible with PMA standard, slit and divisible conduits with standard nominal widths
 In industries, plant construction, machine building as well as in house and electrical installations
 For retrofit installation or repair
 IP40
 Conduit can be installed in fitting prior to closing the fitting

Type LYO - Divisible Y piece, one-piece

	Order no. black, IP40	1x conduit size		2x conduit sizes	
		NW	Metric	NW	Metric
	BLYO-100707	10	12	07	10
	BLYO-121010	12	16	10	12
	BLYO-171212	17	20	12	16
	BLYO-231717	23	25	17	20
	BLYO-292917	17	20	29	32

Compatible with PMA standard, slit and divisible conduits with standard nominal widths
 In industries, plant construction, machine building as well as in house and electrical installations
 For retrofit installation or repair
 IP40
 Conduit can be installed in fitting prior to closing the fitting

T, Y pieces, connection splice

Type LSGO

Type LSGO - One-piece, divisible

	Order no. black, IP40	Fits to conduit size NW	Overall length (mm)	Outer Ø (mm)
LSGO	BLSGO-101010	10	36	16
	BLSGO-121212	12	36	21
	BLSGO-171717	17	38	26
	BLSGO-232323	23	39	33



Compatible with PMA standard, slit and divisible conduits with standard nominal widths
 In industries, plant construction, machine building as well as in house and electrical installations
 For retrofit installation or repair
 Polyamide (Nylon) 66
 IP40 rated