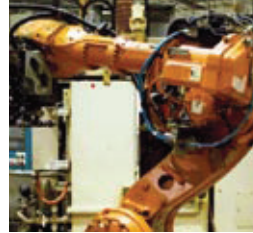


FPA system nylon

Construction: Nylon (PA66) moulded fitting.



IP66



FITTINGS

FPA

IP66

straight external thread

One piece, fast fit, external threaded fitting. Suitable for knockouts or threaded entries.



FPA

IP66

straight UNEF swivel internal thread

One piece, fast fit fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.



FPA

IP66

flange

One piece, fast fit fitting with nylon swivel flange.



FPA90

IP66

90° elbow external thread

One piece, fast fit, external threaded 90 degree elbow fitting. Suitable for knockouts.



european (NW) sizes nominal size (mm) OD mm			Ext Metric	Ext PG	Ext NPT	Ext UNEF	Thread	Ext Flange	90 Degree Metric	90 Degree PG	90 Degree NPT
7	10	10.0	FPA10-M12	FPA10-PG7					FPA10-M12-90	FPA10-PG7-90	
7	10		FPA10-M16	FPA10-PG9							
8	11	11.5	FPA11-M12	FPA11-PG7					FPA11-M12-90		
10	13	13.0	FPA13-M12	FPA13-PG7					FPA13-M16-90	FPA13-PG9-90	
10	13		FPA13-M16	FPA13-PG9							
10	13		FPA13-M20	FPA13-PG11							
12	16	15.8	FPA16-M16	FPA16-PG9	FPA16-038	FPA16-BU075	(3/4")	FPA16-FL	FPA16-M16-90	FPA16-PG9-90	FPA16-050-90
12	16		FPA16-M20	FPA16-PG11	FPA16-050	FPA16-BU100	(1")		FPA16-M20-90	FPA16-PG11-90	
12	16			FPA16-PG13		FPA16-BU119	(1 1/16")			FPA16-PG13-90	
12	16	16.1		FPA16-PG16							
14	18	18.5	FPA18-M20	FPA18-PG13					FPA18-M20-90	FPA18-PG13-90	
14	18			FPA18-PG16						FPA18-PG16-90	
20	20.0		FPA20-M20						FPA20-M20-90		
17	21	21.2	FPA21-M20	FPA21-PG13	FPA21-050	FPA21-BU100	(1")	FPA21-FL	FPA21-M20-90	FPA21-PG13-90	FPA21-050-90
21				FPA21-PG16		FPA21-BU119	(1 1/16")			FPA21-PG16-90	
21						FPA21-BU138	(1 3/8")				
25	25.0		FPA25-M25						FPA25-M25-90		
22	25.4	25.4									
23	28	28.5	FPA28-M25	FPA28-PG21	FPA28-075	FPA28-BU144	(1 7/16")	FPA28-FL	FPA28-M25-90	FPA28-PG21-90	FPA28-075-90
28			FPA28-M32	FPA28-PG29		FPA28-BU175	(1 3/4")				
29	34	34.5	FPA34-M32	FPA34-PG29	FPA34-100	FPA34-BU175	(1 3/4")	FPA34-FL	FPA34-M32-90	FPA34-PG29-90	FPA34-100-90
29	34		FPA34-M40								
36	42	42.5	FPA42-M40	FPA42-PG36	FPA42-125	FPA42-BU200	(2")	FPA42-FL	FPA42-M40-90	FPA42-PG36-90	FPA42-125-90
36	42		FPA42-M50		FPA42-150	FPA42-BU225	(2 1/4")		FPA42-M50-90		FPA42-150-90
48	54	54.5	FPA54-M50	FPA54-PG42	FPA54-150	FPA54-BU200	(2")		FPA54-M50-90	FPA54-PG48-90	FPA54-150-90
48	54		FPA54-M63	FPA54-PG48	FPA54-200	FPA54-BU225	(2 1/4")		FPA54-M63-90		FPA54-200-90
56	67	67.0	FPA67-M63	FPA67-PG48	FPA67-200				FPA67-M63-90	FPA67-PG48-90	FPA67-200-90

ORDERING NOTES

- Specify black or grey (B = Black, G = Grey) eg. FPA16-M16B

- The IP rating onto a UNEF threaded connector may be dependent on the design of the connector

* Indicates parts made to order on request and may be subject to MOQ and lead time

Available on request:

- additional sizes, alternative threads
- additional UNEF threads and combinations
- all nylon UNEF threads

properties

- 1 part fast fit
- IP rating: IP66
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- All round teeth give high pull off strength 70kg with FPAH21

- Can be removed using a screwdriver
- Both 90° and 45° elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range -50°C to +135°C
- Metric nylon threads supplied complete with locknuts

- Swivel UNEF threads allow assembly to military style electrical connectors without twisting of cables and includes sealing 'O' ring.
- Low Fire Hazard (LFH), see page 90
- Halogen, sulphur and phosphorus free
- Available in black or grey (RAL 7031)

FPA90		FPA90		FPA45		FPA45	
90° elbow UNEF swivel internal thread		flange		45° elbow external thread		45° elbow UNEF swivel internal thread	
One piece, fast fit, 90 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.		One piece, fast fit 90 degree elbow fitting with nylon swivel flange.		One piece, fast fit, external threaded 45 degree elbow fitting. Suitable for knockouts.		One piece, fast fit, 45 degree elbow fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.	
							
90 Degree UNEF	Thread	90 Degree Flange		45 Degree Metric	45 Degree PG	45 Degree NPT	45 Degree UNEF Thread
FPA16-BU075-90	(3/4")	FPA16-FL-90		FPA16-M20-45	FPA16-PG13-45	FPA16-050-45	FPA16-BU100-45 (3/4")
FPA16-BU100-90	(1")						FPA16-BU119-45 (1")
FPA16-BU119-90	(1 1/16")						
FPA21-BU100-90	(1")	FPA21-FL-90		FPA21-M20-45	FPA21-PG13-45	FPA21-050-45	FPA21-BU100-45 (1")
FPA21-BU119-90	(1 1/16")				FPA21-PG16-45		FPA21-BU119-45 (1 1/16")
FPA21-BU138-90	(1 3/8")						FPA21-BU138-45 (1 3/8")
FPA28-BU144-90	(1 7/16")	FPA28-FL-90		FPA28-M25-45	FPA28-PG21-45	FPA28-075-45	FPA28-BU144-45 (1 7/16")
FPA28-BU175-90	(1 3/4")						FPA28-BU175-45 (1 3/4")
FPA34-BU175-90	(1 3/4")	FPA34-FL-90		FPA34-M32-45	FPA34-PG29-45	FPA34-100-45	FPA34-BU175-45 (1 3/4")
FPA42-BU200-90	(2")	FPA42-FL-90		FPA42-M50-45	FPA42-PG36-45	FPA42-150-45	FPA42-BU200-45 (2")
FPA42-BU225-90	(2 1/4")						FPA42-BU225-45 (2 1/4")
FPA54-BU200-90	(2")	FPA54-FL-90*		FPA54-M50-45		FPA54-150-45	FPA54-BU200-45 (2")
FPA54-BU225-90	(2 1/4")						FPA54-BU225-45 (2 1/4")

nominal size (mm)	OD mm
10	10.0
10	
11	11.5
13	13.0
13	
13	
16	15.8
16	
16	
16	16.1
18	18.5
18	
20	20.0
21	21.2
21	
21	
25	25.0
25.4	25.4
28	28.5
28	
34	34.5
34	
42	42.5
42	
54	54.5
54	
67	67.0

STANDARDS



BS EN IEC 61386





FPA system nylon

Construction: Nylon (PA66) moulded fittings.

FPA system brass threaded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread. Colour black or grey.



IP66

FITTINGS

IP66

FPA45

flange

One piece, fast fit 45 degree elbow fitting with nylon swivel flange.



45 Degree Flange

IP66

FPA-FPA

coupler

One piece, fast fit, coupler to join corrugated conduits. Also available in FPAx version.



Coupler

IP66

FPA-MPC

coupler

One piece, fast fit, coupler to join corrugated conduit to rigid conduit.



Rigid Conduit Coupler

European (NW) sizes
nominal size (mm)
OD mm

7	10	10.0			
7	10				
8	11	11.5			
10	13	13.0			
10	13				
10	13				
12	16	15.8	FPA16-FL-45	FPA16-FPA16	FPA16-MPC16
12	16				
12	16				
12	16	16.1			
14	18	18.5			
14	18				
20	20.0			FPA20-FPA20	
17	21	21.2	FPA21-FL-45	FPA21-FPA21	FPA21-MPC20
17	21				
17	21				
25	25.0			FPA25-FPA25	
22	25.4	25.4			
23	28	28.5	FPA28-FL-45	FPA28-FPA28	FPA28-MPC25
23	28				
29	34	34.5	FPA34-FL-45	FPA34-FPA34	FPA34-MPC32
29	34				
36	42	42.5	FPA42-FL-45		FPA42-MPC40
36	42				
48	54	54.5	FPA54-FL-45	FPA54-FPA54	
48	54				
56	67	67.0			

ORDERING NOTES

* Indicates parts made to order on request

- NPB = Nickel Plated Brass

• Available on request:

- colour grey, other threads
- for brass locknuts and sealing washers see accessories, page 78
- EMC braid clamp version see page 42

properties

- 1 part fast fit
- IP rating: IP66
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90° and 45° elbows incorporate swept bore to facilitate cable installation and protect cables when installed
- Suitable for fine and coarse pitch conduits
- Temperature range -50°C to +135°C
- Low Fire Hazard (LFH), see page 94
- Halogen, sulphur and phosphorus free
- Available in black or grey (RAL 7031)



IP66

FPA

straight swivel brass external thread

One piece, fast fit, swivel, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.



NPB Ext Metric

NPB Ext PG

IP66

FPA

straight swivel brass internal thread

One piece, fast fit, swivel, nickel plated brass internal threaded fitting.



NPB Int Metric

NPB Int PG

IP66

FPA90

90° elbow swivel brass external thread

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.



NPB Ext Metric

NPB Ext PG

nominal size (mm)

OD mm

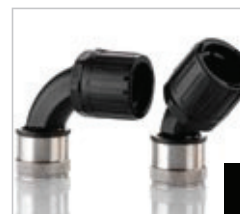
European (NW) sizes

						10	10.0	7
						10		7
						11	11.5	8
FPA13-BM16	FPA13-BPG9	FPA13-BFM16	FPA13-BFPG9	FPA13-BM16-90	FPA13-BPG9-90	13	13.0	10
						13		10
						13		10
FPA16-BM16	FPA16-BPG9	FPA16-BFM16	FPA16-BFPG11	FPA16-BM16-90	FPA16-BPG9-90	16	15.8	12
FPA16-BM20	FPA16-BPG11	FPA16-BFM20	FPA16-BFPG16	FPA16-BM20-90	FPA16-BPG11-90	16		12
						16		12
						16	16.1	12
						18	18.5	14
						18		14
						20	20.0	
FPA21-BM20	FPA21-BPG13	FPA21-BFM20	FPA21-BFPG16	FPA21-BM20-90	FPA21-BPG13-90	21	21.2	17
	FPA21-BPG16				FPA21-BPG16-90	21		17
						21		17
						25	25.0	
						25.4	25.4	22
FPA28-BM25	FPA28-BPG21	FPA28-BFM25	FPA28-BFPG21	FPA28-BM25-90	FPA28-BPG21-90	28	28.5	23
						28		23
FPA34-BM32	FPA34-BPG29	FPA34-BFM32	FPA34-BFPG29	FPA34-BM32-90	FPA34-BPG29-90	34	34.5	29
						34		29
FPA42-BM40		FPA42-BFM40		FPA42-BM50-90		42	42.5	36
FPA42-BM50						42		36
FPA54-BM50		FPA54-BFM50		FPA54-BM50-90		54	54.5	48
FPA54-BM63						54		48
FPA67-BM63						67	67.0	56

STANDARDS



BS EN IEC 61386





FPA system brass threaded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread. Colour black or grey.



IP66

FITTINGS

IP66

FPA90

90° elbow swivel brass internal thread

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass internal threaded fitting.



IP66

FPA45

45° elbow swivel brass external thread

One piece, fast fit, swivel, 45 degree elbow, nickel plated brass external threaded fitting. Suitable for knockouts or threaded entries.



IP66

FPA45

45° elbow swivel brass internal thread

One piece, fast fit, swivel, 45 degree elbow, nickel plated brass internal threaded fitting.



European (NW) sizes
nominal size (mm)

OD mm

NPB Int Metric

NPB Int PG

NPB Ext Metric

NPB Ext PG

NPB Int Metric

NPB Int PG

7	10	10.0					
7	10						
8	11	11.5					
10	13	13.0	FPA13-BFM16-90	FPA13-BFPG9-90			
10	13						
10	13						
12	16	15.8	FPA16-BFM16-90	FPA16-BFPG11-90	FPA16-BM16-45	FPA16-BPG13-45	FPA16-BFM20-45
12	16		FPA16-BFM20-90	FPA16-BFPG16-90	FPA16-BM20-45	FPA16-BPG16-45	FPA16-BFPG16-45
12	16						
12	16	16.1					
14	18	18.5					
14	18						
20	20.0						
17	21	21.2	FPA21-BFM20-90	FPA21-BFPG16-90	FPA21-BM20-45	FPA21-BPG13-45	FPA21-BFM20-45
17	21					FPA21-BPG16-45	FPA21-BFPG16-45
17	21						
25	25.0						
22	25.4	25.4					
23	28	28.5	FPA28-BFM25-90	FPA28-BFPG21-90	FPA28-BM25-45	FPA28-BPG21-45	FPA28-BFM25-45
23	28						
29	34	34.5	FPA34-BFM32-90	FPA34-BFPG29-90	FPA34-BM32-45	FPA34-BPG29-45	FPA34-BFM32-45
29	34						
36	42	42.5	FPA42-BFM50-90		FPA42-BM50-45		FPA42-BFM50-45
36	42						
48	54	54.5	FPA54-BFM50-90		FPA54-BM50-45		FPA54-BFM50-45
48	54						
56	67	67.0					

ORDERING NOTES

* Indicates parts made to order on request

• NPB = Nickel Plated Brass

Available on request:

- colour grey, other threads
- for brass locknuts and sealing washers see accessories, page 78
- EMC braid clamp version, see page 42

properties

- 1 part fast fit
- IP rating: **of conduit & fitting: IP66**
of cable gland: IP68 (10 bar) + IP69K
- Vibration and shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- All round teeth give high pull off strength 70kg with FPAH21
- Both 90° and 45° elbows incorporate swept bore to facilitate cable installation and protect cables when installed

- Suitable for fine and coarse pitch conduits
- Temperature range: **conduit fitting: -50°C to +135°C**
cable gland: -40°C to +100°C static
-20°C to +100°C dynamic
- Low Fire Hazard (LFH), see page 94
- Halogen, sulphur and phosphorus free
- Refer to accessories for clamping range page 79



IP66

FPA

NEW

cable gland

One piece, fast fit, swivel, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.



NPB Metric

NPB PG

IP66

FPA90

NEW

cable gland

One piece, fast fit, swivel, 90 degree elbow, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.



NPB Metric

IP66

FPA45

NEW

cable gland

One piece, fast fit, swivel, 45 degree elbow, nickel plated brass external threaded cable gland fitting. Suitable for knockouts or threaded entries.



NPB Metric

nominal size (mm)

OD mm

European (NW) sizes

				10	10.0	7
				10		7
				11	11.5	8
				13	13.0	10
				13		10
				13		10
				16	15.8	12
				16		12
				16		12
				16	16.1	12
				18	18.5	14
				18		14
				20	20.0	
				21	21.2	17
				21		17
				21		17
				25	25.0	
				25.4	25.4	22
				28	28.5	23
				28		23
				34	34.5	29
				34		29
				42	42.5	36
				42		36
				54	54.5	48
				54		48
				67	67.0	56

STANDARDS



BS EN IEC 61386

