

FPA system nylon

Construction: Nylon (PA66) moulded fitting.



IP66



Fittings

FPA

straight external thread

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

IP66



FPA

straight UNEF swivel internal thread

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

IP66



FPA

flange

One piece, fast fit fitting with nylon swivel flange with 'O' ring.

IP66



FPA90

90° elbow external thread

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

IP66



European (NW) sizes	nominal size (mm)	OD mm	FPA straight external thread			FPA straight UNEF swivel internal thread		FPA flange	FPA90 90° elbow external thread		
			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-BU075	(3/4")		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-M16-90	FPA16-PG11-90	
12	16			FPA16-PG13		FPA16-BU119	(1 1/16")			FPA16-PG13-90	
12	16			FPA16-PG16							
14	18	18.5	FPA18-M20	FPA18-PG13					FPA18-M20-90		
14	18										
	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-PG16-90	FPA21-050-90
	21			FPA21-PG16		FPA21-BU119	(1 1/16")				
	21					FPA21-BU138	(1 3/8")				
	25	25.0	FPA25-M25						FPA25-M25-90		
23	28	28.5	FPA28-M25	FPA28-PG21	FPA28-075	FPA28-BU138	(1 1/8")	FPA28-FL	FPA28-M25-90	FPA28-PG21-90	FPA28-075-90
	28		FPA28-M32	FPA28-PG29		FPA28-BU144	(1 7/16")				
29	34	34.5	FPA34-M32	FPA34-PG29	FPA34-100	FPA34-BU144	(1 7/16")	FPA34-FL	FPA34-M32-90	FPA34-PG29-90	FPA34-100-90
29	34		FPA34-M40			FPA34-BU175	(1 3/4")				
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
- Available on request:**
 - additional sizes, alternative threads
 - additional UNEF threads and combinations
 - all nylon UNEF threads

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

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 face seal.
- Low Fire Hazard (LFH), see page 102
- Halogen, sulphur and phosphorus free
- Available in black or grey (RAL 7031)

FPA90		FPA90		FPA45			FPA45		nominal size (mm)	OD mm
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 with 'O' ring face seal.		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.			
IP66		IP66		IP66			IP66			
										
90 Degree UNEF	Thread	90 Degree Flange	45 Degree Metric	45 Degree PG	45 Degree NPT	45 Degree UNEF	Thread			
FPA13-BU075-90	(3/4")							10	10.0	
								10		
								11	11.5	
								13	13.0	
								13		
								13		
FPA16-BU075-90	(3/4")	FPA16-FL-90	FPA16-M20-45	FPA16-PG13-45	FPA16-050-45			16	15.8	
FPA16-BU100-90	(1")					FPA16-BU100-45	(1")	16		
FPA16-BU119-90	(1 1/16")					FPA16-BU119-45	(1 1/16")	16		
								16		
								18	18.5	
								18		
								20	20.0	
FPA21-BU100-90	(1")	FPA21-FL-90	FPA21-M20-45	FPA21-PG13-45	FPA21-050-45	FPA21-BU100-45	(1")	21	21.2	
FPA21-BU119-90	(1 1/16")			FPA21-PG16-45		FPA21-BU119-45	(1 1/16")	21		
FPA21-BU138-90	(1 3/8")					FPA21-BU138-45	(1 3/8")	21		
								25	25.0	
FPA28-BU138-90	(1 3/8")	FPA28-FL-90	FPA28-M25-45	FPA28-PG21-45	FPA28-075-45	FPA28-BU138-45	(1 3/8")	28	28.5	
FPA28-BU144-90	(1 7/16")					FPA28-BU144-45	(1 7/16")	28		
FPA34-BU144-90	(1 7/16")	FPA34-FL-90	FPA34-M32-45	FPA34-PG29-45	FPA34-100-45	FPA34-BU144-45	(1 7/16")	34	34.5	
FPA34-BU175-90	(1 3/4")					FPA34-BU175-45	(1 3/4")	34		
FPA42-BU200-90	(2")	FPA42-FL-90	FPA42-M50-45	FPA42-PG36-45	FPA42-150-45	FPA42-BU200-45	(2")	42	42.5	
FPA42-BU225-90	(2 1/4")					FPA42-BU225-45	(2 1/4")	42		
FPA54-BU200-90	(2")	FPA54-FL-90*	FPA54-M50-45		FPA54-150-45	FPA54-BU200-45	(2")	54	54.5	
FPA54-BU225-90	(2 1/4")					FPA54-BU225-45	(2 1/4")	54		
								67	67.0	

Standards



BS EN IEC 61386

