

FPA system

IP66



Nylon & Brass threaded

Construction: Nylon (PA66) moulded

Construction: Nylon (PA66) moulded fitting with nickel plated brass swivel thread.

Colour: Black or Grey.

Fittings

FPA			FPA			FPA			FPA90		
Straight external thread			Straight UNEF swivel internal thread			Flange			90° Elbow external thread		
One piece, fast fit, external threaded fitting. Suitable for knockouts or threaded entries.			One piece, fast fit fitting with nickel plated brass swivel UNEF internal thread for attachment to circular connectors.			One piece, fast fit fitting with nylon swivel flange with 'O' ring.			One piece, fast fit, external threaded 90 degree elbow fitting. Suitable for knockouts.		
IP66			IP66			IP66			IP66		
											
European (NW) sizes	nominal size (mm)	OD mm	Ext Metric	Ext PG	Ext NPT	Ext UNEF	Thread	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-BU063	(5/8")		FPA13-M16-90	FPA13-PG9-90	
10	13		FPA13-M16	FPA13-PG9		FPA13-BU075	(3/4")				
10	13		FPA13-M20	FPA13-PG11		FPA13-BU088	(7/8")				
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-BU088	(7/8")		FPA16-M20-90	FPA16-PG11-90	
12	16			FPA16-PG13		FPA16-BU100	(1")			FPA16-PG13-90	
12	16			FPA16-PG16		FPA16-BU119	(1 1/16")				
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
17	21		FPA21-M25	FPA21-PG16		FPA21-BU119	(1 3/16")				
17	21					FPA21-BU125	(1 1/4")				
	25	25.0	FPA25-M25						FPA25-M25-90		
23	28	28.5	FPA28-M25	FPA28-PG21	FPA28-075	FPA28-BU138	(1 3/8")	FPA28-FL	FPA28-M25-90	FPA28-PG21-90	FPA28-075-90
23	28		FPA28-M32	FPA28-PG29		FPA28-BU144	(1 7/8")				
29	34	34.5	FPA34-M32	FPA34-PG29	FPA34-100	FPA34-BU144	(1 7/8")	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
70	80		FPA80-M85								
95	106										

Ordering Notes

- Specify Black or Grey (B = Black, G = Grey) eg. FPA16-M16B
- Grey option may be subject to MOQ and lead time
- 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



Properties

- 1 part fast fit
- IP rating: IP66
- Vibration & shock tested to EN61373 Cat 2
- Tamper resistant
- Can be removed using a screwdriver
- Both 90° & 45° elbows incorporate swept bore to facilitate cable installation & protect cables when installed
- All round teeth give high pull off strength 70kg with FPAH21
- Suitable for fine and coarse pitch conduits
- Temperature range -50°C to +135°C
- Low Fire Hazard (LFH), see page 144
- Halogen, sulphur and phosphorus free
- Available in Black or Grey (RAL 7031)
- EN 45545 HL3 and NFPA 130 compliant
- Nylon metric threads supplied with glass reinforced nylon locknut
- Thread face sealing washers may be required to maintain IP rating at the connection to other equipment, see page 124

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 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	nominal size (mm)	OD mm	european (NW) sizes
FPA13-BU063-90	(5/8")								10	10.0	7
FPA13-BU075-90	(3/4")								10		7
FPA13-BU088-90	(7/8")								11	11.5	8
FPA16-BU075-90	(3/4")								13	13.0	10
FPA16-BU088-90	(7/8")								13		10
FPA16-BU100-90	(1")								13		10
FPA16-BU119-90	(1 3/16")								16	15.8	12
		FPA16-FL-90		FPA16-M20-45	FPA16-PG13-45	FPA16-050-45	FPA16-BU075-45	(3/4")	16		12
							FPA16-BU088-45	(7/8")	16		12
							FPA16-BU100-45	(1")	16		12
							FPA16-BU119-45	(1 3/16")	16		12
									18	18.5	14
									18		14
									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	17
FPA21-BU119-90	(1 3/16")				FPA21-PG16-45		FPA21-BU119-45	(1 3/16")	21		17
FPA21-BU125-90	(1 1/4")						FPA21-BU125-45	(1 1/4")	21		17
									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	23
FPA28-BU144-90	(1 7/8")						FPA28-BU144-45	(1 7/8")	28		23
FPA34-BU144-90	(1 7/8")	FPA34-FL-90		FPA34-M32-45	FPA34-PG29-45	FPA34-100-45	FPA34-BU144-45	(1 7/8")	34	34.5	29
FPA34-BU175-90	(1 3/4")						FPA34-BU175-45	(1 3/4")	34		29
FPA42-BU200-90	(2")	FPA42-FL-90		FPA42-M50-45	FPA42-PG36-45	FPA42-150-45	FPA42-BU200-45	(2")	42	42.5	36
FPA42-BU225-90	(2 1/4")						FPA42-BU225-45	(2 1/4")	42		36
FPA54-BU200-90	(2")	FPA54-FL-90*		FPA54-M50-45		FPA54-150-45	FPA54-BU200-45	(2")	54	54.5	48
FPA54-BU225-90	(2 1/4")						FPA54-BU225-45	(2 1/4")	54		48
									67	67.0	56
									80		70
									106		95

Standards



BS EN IEC 61386

