

Non-Metallic Conduit & Fittings

Non-metallic systems are typically lighter, easier to work with and more cost effective to install. With advances in material technologies non-metallic systems can provide an alternative solution where typically only metal systems had been considered previously.

FPAS 	FPAL 	FPAH 	FPASC 
Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour: Black or Grey (RAL 7031). Orange available on request.* Typical Applications: All types of machinery, public buildings. • Highly flexible and high fatigue life • High impact strength and recovers if crushed • Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) • Lloyd's Register Type Approval • UL recognised • Low Fire Hazard (LFH), see page 144 • UL 94 V2 flame retardancy • Halogen, sulphur and phosphorus free • UV resistant (black) • Abrasion resistant • Highly resistant to solvents and oils • Slit version also available FPAS-S please contact us	Construction: Light weight nylon (PA6) corrugated flexible conduit. Colour: Black or Grey (RAL 7031). Typical Applications: Machines where lower mechanical protection is required and buildings. • Highly flexible and high fatigue life • High impact strength and recovers if crushed • Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) • UL recognised • Highly resistant to solvents and oils • Self extinguishing • Halogen, sulphur and phosphorus free	Construction: Heavy weight, flame retardant, nylon (PA6) corrugated flexible conduit. Colour: Black. Typical Applications: All types of machinery and public buildings where high mechanical strength required. • High mechanical strength • High impact resistance • Temperature range -40°C to +120°C • UL recognised • Low Fire Hazard (LFH), see page 144 • UL 94 V2 flame retardancy • Halogen, sulphur and phosphorus free • UV resistant • Abrasion resistant • Highly resistant to solvents and oils	Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour: Black or Grey (RAL 7031). Typical Applications: All types of machinery, public buildings where UL listed is a requirement. • Highly flexible and high fatigue life • High impact strength and recovers if crushed • Temperature range -40°C to +120°C (-20°C to +100°C for moving applications) • UL listed • Lloyd's Register Type Approval • Low Fire Hazard (LFH), see page 144 • UL 94 V2 flame retardancy • Halogen, sulphur and phosphorus free • UV resistant (black) • Abrasion resistant • Highly resistant to solvents and oils

european (NW) sizes																										
nominal size (mm)		pitch																								
			FPAS	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPAL	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPAH	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	FPASC	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
7	10	F	FPAS10		50	10.0	6.3	15	FPAL10		50	10.0	6.5	15												
8	11	F	FPAS11		50	11.5	8.2	20	FPAL11		50	11.5	8.4	20												
10	13	F	FPAS13		25, 50	13.0	9.8	25	FPAL13		50	13.0	10.0	25	FPAH13	50	13.0	9.0	35							
12	16	F	FPAS16		25, 50	15.8	11.8	35	FPAL16		50	15.8	12.0	35	FPAH16	50	15.8	11.5	45							
14	18	F	FPAS18		50	18.5	14.2	40	FPAL18		50	18.5	14.2	35												
	20	C	FPAS20		25, 50	20.0	14.8	45	FPAL20		50	20.0	15.0	40												
17	21	F	FPAS21		25, 50	21.2	16.7	45	FPAL21		50	21.2	16.9	40												
	21	C													FPAH21	50	21.2	15.5	55			FPAS21C	50	21.2	16.0	45
	25	C	FPAS25		25, 50	25.0	19.1	50	FPAL25		50	25.0	19.3	45												
23	28	F	FPAS28		25, 50	28.5	22.8	50	FPAL28		50	28.5	23.0	45												
23	28	C													FPAH28	50	28.5	21.3	60			FPAS28C	50	28.5	21.7	50
29	34	C	FPAS34		25, 50	34.5	28.1	60	FPAL34		50	34.5	28.3	55	FPAH34	25	34.5	27.6	70			FPAS34C	50	34.5	28.1	60
36	42	C	FPAS42		10, 25	42.5	35.5	70	FPAL42		25	42.5	35.7	65	FPAH42	25	42.5	34.6	80			FPAS42C	25	42.5	35.5	70
48	54	C	FPAS54		10, 25	54.5	47.2	80	FPAL54		25	54.5	47.4	80	FPAH54	25	54.5	46.0	90			FPAS54C	25	54.5	47.2	80
56	67	C	FPAS67		10	67.2	56.3	130	FPAL67		10	67.2	56.5	110	FPAH67	10	67.2	56.3	130			FPAS67C	10	67.2	56.3	130
80	70	C	LDFPAS80		10	80.0	67.0	150	LDFPAL80		10	80.0	67.0	160												
106	95	C	LDFPAS106*		10	106.0	91.8	210	LDFPAL106*		10	106.0	91.5	210												

For larger diameter conduit see page 70

Ordering Notes

- Specify Black or Grey (B = Black, G = Grey) and reel length eg: FPAS21B-50M for a Black 50m reel
- Some reel lengths are MTO in grey
- See cutting tool page 127

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

- **Available on request:**
 - longer lengths and bulk packaging
 - cut lengths and assemblies
 - other colours
 - full copies of independent test results confirming LFH properties

- fine pitch 34mm sizes
- Contractor Packs available see page 128 & 129
- For LFH performance see page 144