

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
<p>Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit.</p> <p>Colour: Black or Grey (RAL 7031). Orange available on request.*</p> <p>Typical Applications: All types of machinery, public buildings.</p> <ul style="list-style-type: none"> 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 	<p>Construction: Light weight nylon (PA6) corrugated flexible conduit.</p> <p>Colour: Black or Grey (RAL 7031).</p> <p>Typical Applications: Machines where lower mechanical protection is required and buildings.</p> <ul style="list-style-type: none"> 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 	<p>Construction: Heavy weight, flame retardant, nylon (PA6) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: All types of machinery and public buildings where high mechanical strength required.</p> <ul style="list-style-type: none"> 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 	<p>Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit.</p> <p>Colour: Black or Grey (RAL 7031).</p> <p>Typical Applications: All types of machinery, public buildings where UL listed is a requirement.</p> <ul style="list-style-type: none"> 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					FPAL					FPAH					FPASC							
			part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	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	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	21	C											FPAH21	50	21.2	15.5	55	FPAS21C	50	21.2	16.0	45			
25	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																							
29	34	C	FPAS34	25,50	34.5	28.1	60	FPAL34	50	34.5	28.3	55	FPAH28	50	28.5	21.3	60	FPAS28C	50	28.5	21.7	50			
36	42	C	FPAS42	10,25	42.5	35.5	70	FPAL42	25	42.5	35.7	65	FPAH34	25	34.5	27.6	70	FPAS34C	50	34.5	28.1	60			
48	54	C	FPAS54	10,25	54.5	47.2	80	FPAL54	25	54.5	47.4	80	FPAH42	25	42.5	34.6	80	FPAS42C	25	42.5	35.5	70			
56	67	C	FPAS67	10	67.2	56.3	130	FPAL67	10	67.2	56.5	110	FPAH54	25	54.5	46.0	90	FPAS54C	25	54.5	47.2	80			
80	70	C	LDFPAS80	10	80.0	67.0	150	LDFPAL80	10	80.0	67.0	160	FPAH67	10	67.2	56.3	130	FPAS67C	10	67.2	56.3	130			
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

