

We have a range of products that can offer properties dependant on your requirement for impact resistance, flexibility, fatigue life, operating temperature and fire performance to name but a few.

**MORE
CONDUITS
OVERLEAF!**

FPR

Construction: Standard weight nylon (highly flame retardant PA6) corrugated flexible conduit. Colour black.

Typical Applications: Railways, underground and 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)
- UL recognised
- Lloyd's Register Type Approval
- Extra Low Fire Hazard (LFH)
- Compliant to LUL Std 1-085
- UL 94 V0 flame retardancy
- Halogen, sulphur and phosphorus free
- UV resistant
- Abrasion resistant
- Highly resistant to solvents and oils

FPADS

Construction: Double slit nylon (PA6) corrugated conduit. Colour black.

Typical Applications: Retrofit and cable assemblies with pre terminated plugs.

- Made from 2 interlocking slit corrugated conduits
- Temperature range -40°C to +120°C
- Cables can be inserted laterally
- Provides abrasion resistance and routing of cables for static applications
- Self extinguishing
- Halogen, sulphur and phosphorus free
- UV resistant

FPI

Construction: Standard weight nylon (PA12) corrugated flexible conduit. Colour black.

Typical Applications: Robots and continual flexing.

- Highly flexible
- Exceptional fatigue life
- High impact resistance even at very low temperatures
- UV resistant
- Displays self recovery if crushed
- Temperature range -50°C to +110°C
- UL recognised
- Highly resistant to solvents and oils
- Self extinguishing
- Low fire hazard
- Halogen, sulphur and phosphorus free

FPIH

Construction: Heavy weight nylon (PA12) corrugated flexible conduit. Colour black.

Typical Applications: Robots and continual flexing where higher mechanical strength required.

- Highly flexible and high fatigue life
- High mechanical strength
- High impact resistance even at very low temperatures
- UV resistant
- Displays self recovery if crushed
- Temperature range -50°C to +110°C
- UL recognised
- Highly resistant to solvents and oils
- Self extinguishing
- Low fire hazard
- Halogen, sulphur and phosphorus free

european (NW) sizes			FPR					FPADS					FPI					FPIH				
nominal size (mm)	pitch		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	FPR10	50	10.0	6.3	15															
8	11	F						FPADS11*	50	11.5	6.2	70										
10	13	F	FPR13	50	13.0	9.8	25	FPADS13	50	13.0	7.9	75	FPI13	50	13.0	9.8	25	FPIH13	50	13.0	9.0	25
12	16	F	FPR16	50	15.8	11.8	35	FPADS16	50	15.8	10.3	100	FPI16	50	15.8	11.8	30	FPIH16	50	15.8	11.5	35
14	18	F																				
17	20	C	FPR20	50	20.0	14.8	45															
21	21	C	FPR21	50	21.2	16.7	45	FPADS21	50	21.2	13.9	120	FPI21	50	21.2	16.7	35					
25	25	C	FPR25	50	25.0	19.1	50											FPIH21	50	21.2	15.0	45
28	28	F																				
28	28	C	FPR28	50	28.5	21.7	50	FPADS28	50	28.5	20.5	170	FPI28	50	28.5	21.7	45	FPIH28	50	28.5	21.3	50
34	34	C	FPR34	50	34.5	28.1	60	FPADS34	25	34.5	26.6	180	FPI34	25	34.5	28.1	55	FPIH34	25	34.5	27.6	60
42	42	C																				
42	42	C	FPR42	25	42.5	35.5	70	FPADS42	25	42.5	32.0	200	FPI42	25	42.5	35.5	60	FPIH42	25	42.5	34.6	70
54	54	C	FPR54	25	54.5	47.2	80	FPADS54	25	54.5	43.0	240	FPI54	25	54.5	47.2	70	FPIH54	25	54.5	46.0	80
67	67	C											FPI67	10	67.2	56.3	120					

F = fine pitch C = coarse pitch

NOTE: refer to conduit properties for applicable standards

Standards



BS EN IEC 61386



FMS8347

Important Note

- For LFH performance see page 102