

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

**Multiflex Consulting Aps**

**tlf: 5332 7083**

**EN 45545-2 NFPA 130**

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FPR	FPADS	FPI	FPIH	FPIHR
<p><b>Construction:</b> Standard weight nylon (highly flame retardant PA6) corrugated flexible conduit.</p> <p><b>Colour:</b> Black.</p> <p><b>Typical Applications:</b> Railways, underground and public buildings.</p> <ul style="list-style-type: none"> <li>Highly flexible and high fatigue life</li> <li>High impact strength and recovers if crushed</li> <li>Temperature range -40°C to +120°C (-20°C to +100°C for moving applications)</li> <li>UL recognised</li> <li>Lloyd's Register Type Approval</li> <li>Extra Low Fire Hazard (LFH)</li> <li>Compliant to LUL Std S1085</li> <li>UL 94 V0 flame retardancy</li> <li>Halogen, sulphur and phosphorus free</li> <li>UV resistant</li> <li>Abrasion resistant</li> <li>Highly resistant to solvents and oils</li> </ul>	<p><b>Construction:</b> Double slit nylon (PA6) corrugated conduit.</p> <p><b>Colour:</b> Black.</p> <p><b>Typical Applications:</b> Retrofit and cable assemblies with pre terminated plugs.</p> <ul style="list-style-type: none"> <li>Made from 2 interlocking slit corrugated conduits</li> <li>Temperature range -40°C to +120°C</li> <li>Cables can be inserted laterally</li> <li>Provides abrasion resistance and routing of cables for static applications</li> <li>Self extinguishing</li> <li>Halogen, sulphur and phosphorus free</li> <li>UV resistant</li> <li>Other colours available* in 21mm and 28mm Grey, Blue, Orange and White</li> <li>Also available in polypropylene in Black</li> </ul>	<p><b>Construction:</b> Standard weight nylon (PA12) corrugated flexible conduit.</p> <p><b>Colour:</b> Black.</p> <p><b>Typical Applications:</b> Robots and continual flexing.</p> <ul style="list-style-type: none"> <li>Highly flexible</li> <li>Exceptional fatigue life</li> <li>High impact resistance even at very low temperatures</li> <li>UV resistant</li> <li>Displays self recovery if crushed</li> <li>Temperature range -50°C to +110°C</li> <li>UL recognised</li> <li>Highly resistant to solvents and oils</li> <li>Self extinguishing</li> <li>Halogen, sulphur and phosphorus free</li> </ul>	<p><b>Construction:</b> Heavy weight nylon (PA12) corrugated flexible conduit.</p> <p><b>Colour:</b> Black.</p> <p><b>Typical Applications:</b> Robots and continual flexing where higher mechanical strength required.</p> <ul style="list-style-type: none"> <li>Highly flexible and high fatigue life</li> <li>High mechanical strength</li> <li>High impact resistance even at very low temperatures</li> <li>UV resistant</li> <li>Displays self recovery if crushed</li> <li>Temperature range -50°C to +110°C</li> <li>UL recognised</li> <li>Highly resistant to solvents and oils</li> <li>Self extinguishing</li> <li>Halogen, sulphur and phosphorus free</li> </ul>	<p><b>Construction:</b> Heavy weight nylon (PA12) corrugated flexible conduit.</p> <p><b>Colour:</b> Black.</p> <p><b>Typical Applications:</b> Where continual movement or flexing is required, with a higher mechanical strength even at very low temperatures such as on Bogies or Inter-car Jumper assemblies. Rolling Stock applications requiring a superior level of fire performance.</p> <ul style="list-style-type: none"> <li>Highly flexible and high fatigue life</li> <li>High mechanical strength</li> <li>High impact resistance even at very low temperatures</li> <li>UV resistant</li> <li>Displays self recovery if crushed</li> <li>Temperature range -50°C to +110°C</li> <li>Highly resistant to solvents and oils</li> <li>Self extinguishing</li> <li>Extra Low Fire Hazard (LFH)</li> <li>Halogen, sulphur and phosphorus free</li> <li>EN 45545 and NFPA 130</li> </ul>

FPR					FPADS				FPI				FPIH				FPIHR				pitch	nominal size (mm)	european (NW) sizes				
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)	part number				reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
FPR10	50	10.0	6.3	15	FPADS11*	50	11.5	6.2	70	FPI13	50	13.0	9.8	25	FPIH13	50	13.0	9.0	25	FPIHR13	50	13.0	9.0	25	F	10	7
FPR13	50	13.0	9.8	25	FPADS13	50	13.0	7.9	75	FPI16	50	15.8	11.8	30	FPIH16	50	15.8	11.5	35	FPIHR16	50	15.8	11.5	35	F	11	8
FPR16	50	15.8	11.8	35	FPADS16	50	15.8	10.3	100	FPI21	50	21.2	16.7	35	FPIH21	50	21.2	15.0	45	FPIHR21	50	21.2	15.0	45	F	13	10
FPR20	50	20.0	14.8	45	FPADS21	50	21.2	13.9	120	FPI28	50	28.5	21.7	45	FPIH28	50	28.5	21.3	50	FPIHR28	50	28.5	21.3	50	F	16	12
FPR21	50	21.2	16.7	45	FPADS28	50	28.5	20.5	170	FPI34	25	34.5	28.1	55	FPIH34	25	34.5	27.6	60	FPIHR34	25	34.5	27.6	60	F	18	14
FPR25	50	25.0	19.1	50	FPADS34	25	34.5	26.6	180	FPI42	25	42.5	35.5	60	FPIH42	25	42.5	34.6	70	FPIHR42	25	42.5	34.6	70	C	20	
FPR28	50	28.5	21.7	50	FPADS42	25	42.5	32.0	200	FPI54	25	54.5	47.2	70	FPIH54	25	54.5	46.0	80	FPIHR54	25	54.5	46.0	80	F	21	17
FPR34	50	34.5	28.1	60	FPADS54	25	54.5	43.0	240	FPI67	10	67.2	56.3	120	FPIH67	10	67.2	56.0	130	FPIHR67	10	67.2	56.0	130	C	21	
FPR42	25	42.5	35.5	70																							
FPR54	25	54.5	47.2	80																							
FPR67	10	67.2	56.3	130																							

For larger diameter conduit see page 74

**Standards**

