

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.

EN 45545-2
NFPA 130

EN 45545-2
NFPA 130

| FPR | FPADS | FPI | FPIH | FPIHR |
|---|--|--|---|--|
| <p>Construction: Standard weight nylon (highly flame retardant PA6) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Railways, underground and 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) UL recognised Lloyd's Register Type Approval Extra Low Fire Hazard (LFH) Compliant to LUL Std S1085 UL 94 V0 flame retardancy Halogen, sulphur and phosphorus free UV resistant Abrasion resistant Highly resistant to solvents and oils | <p>Construction: Double slit nylon (PA6) corrugated conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Retrofit and cable assemblies with pre terminated plugs.</p> <ul style="list-style-type: none"> 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 Other colours available* in 21mm and 28mm Grey, Blue, Orange and White Also available in polypropylene in Black | <p>Construction: Standard weight nylon (PA12) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Robots and continual flexing.</p> <ul style="list-style-type: none"> 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 Halogen, sulphur and phosphorus free | <p>Construction: Heavy weight nylon (PA12) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: Robots and continual flexing where higher mechanical strength required.</p> <ul style="list-style-type: none"> 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 Halogen, sulphur and phosphorus free | <p>Construction: Heavy weight nylon (PA12) corrugated flexible conduit.</p> <p>Colour: Black.</p> <p>Typical Applications: 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"> 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 Highly resistant to solvents and oils Self extinguishing Extra Low Fire Hazard (LFH) Halogen, sulphur and phosphorus free EN 45545 and NFPA 130 |

| FPR | FPADS | FPI | FPIH | FPIHR | pitch | nominal size (mm) | European (NW) sizes |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------|-------------------|---------------------|
| part number | part number | part number | part number | part number | | | |
| reel length (m) | reel length (m) | reel length (m) | reel length (m) | reel length (m) | | | |
| outside dia (mm) | outside dia (mm) | outside dia (mm) | outside dia (mm) | outside dia (mm) | | | |
| inside dia (mm) | inside dia (mm) | inside dia (mm) | inside dia (mm) | inside dia (mm) | | | |
| min inside bend radius (mm) | min inside bend radius (mm) | min inside bend radius (mm) | min inside bend radius (mm) | min inside bend radius (mm) | | | |
| FPAD11* | 50 | 11.5 | 6.2 | 70 | | | |
| FPAD13 | 50 | 13.0 | 7.9 | 75 | | | |
| FPAD16 | 50 | 15.8 | 10.3 | 100 | | | |
| FPAD20 | 50 | 20.0 | 14.8 | 45 | | | |
| FPAD21 | 50 | 21.2 | 16.7 | 45 | | | |
| FPAD25 | 50 | 25.0 | 19.1 | 50 | | | |
| FPAD28 | 50 | 28.5 | 21.7 | 50 | | | |
| FPAD34 | 50 | 34.5 | 28.1 | 60 | | | |
| FPAD42 | 25 | 42.5 | 35.5 | 70 | | | |
| FPAD54 | 25 | 54.5 | 47.2 | 80 | | | |
| FPAD67 | 10 | 67.2 | 56.3 | 130 | | | |
| FPI13 | 50 | 13.0 | 9.8 | 25 | F | 10 | 7 |
| FPI16 | 50 | 15.8 | 11.8 | 30 | F | 11 | 8 |
| FPI21 | 50 | 21.2 | 16.7 | 35 | F | 13 | 10 |
| FPI28 | 50 | 28.5 | 21.7 | 45 | F | 16 | 12 |
| FPI34 | 25 | 34.5 | 28.1 | 55 | F | 18 | 14 |
| FPI42 | 25 | 42.5 | 35.5 | 60 | C | 20 | |
| FPI54 | 25 | 54.5 | 47.2 | 70 | F | 21 | 17 |
| FPI67 | 10 | 67.2 | 56.3 | 120 | C | 21 | |
| FPIH13 | 50 | 13.0 | 9.0 | 25 | C | 25 | |
| FPIH16 | 50 | 15.8 | 11.5 | 35 | F | 28 | 23 |
| FPIH21 | 50 | 21.2 | 15.0 | 45 | C | 28 | 23 |
| FPIH28 | 50 | 28.5 | 21.3 | 50 | C | 34 | 29 |
| FPIH34 | 25 | 34.5 | 27.6 | 60 | F | 34 | 29 |
| FPIH42 | 25 | 42.5 | 34.6 | 70 | C | 42 | 36 |
| FPIH54 | 25 | 54.5 | 46.0 | 80 | C | 54 | 48 |
| FPIH67 | 10 | 67.2 | 56.0 | 130 | C | 67 | 56 |

For larger diameter conduit see page 74

Standards

