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| Technical Data Sheet: | DS029/0813 |
| Product Description | Galvanised steel, helically wound, flexible conduit with Polyether Polyurethane coating |
| Product Range | FPU - Metallic Conduits |

FLEXICON

FLEXIBLE CONDUIT SOLUTIONS

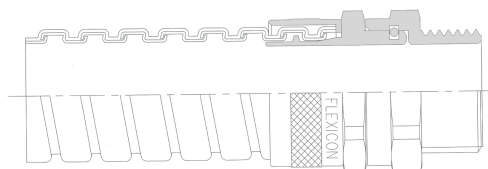
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FPU Conduit



Conduit complete with FSU Swivel type fitting

Material;
Galvanised Steel Conduit with oil and solvent resistant Polyether Polyurethane coating

Colour:
Black.
Metallic Blue

Fire Performance:

- Self extinguishing UL94 V0
- Halogen free

IP Rating:

- IP54 with M, S, P or F type fittings
- IP65 with C, C-S and C90 type fittings

Applications:

FPU conduit provides high mechanical strength, fatigue life and abrasion resistance and is highly flexible. Also has oil resistance and high microbial resistance.

Ideal for use for where low temperature, abrasional resistance and mechanical strength are important

Compression Strength (20mm size):
350kg/100mm

Pull-off (Tensile) strength (20mm size):
120kg

Temperature Performance:

-40°C to +100°C

| Nominal Size | Part No | Dimensions | | | |
|--------------|---------|-----------------|---------|-------------|-------------------------------|
| | | Reel Length (M) | OD (mm) | Min ID (mm) | Min inside Bend radius R (mm) |
| 12 | FPU12B | 25 | 14.0 | 10.2 | 30 |
| 16 | FPU16B | 25 | 17.0 | 13.0 | 40 |
| 20 | FPU20B | 25, 50 | 21.5 | 16.9 | 45 |
| 25 | FPU25B | 25, 50 | 26.0 | 21.1 | 55 |
| 32 | FPU32B | 25 | 34.0 | 28.1 | 60 |
| 40 | FPU40B | 10 | 44.5 | 37.6 | 80 |
| 50 | FPU50B | 10 | 55.0 | 48.4 | 90 |
| 63 | FPU63B | 10 | 64.5 | 57.5 | 115 |
| 75 | FPU75B | 10 | 79.0 | 70.0 | 150 |

NB: For metallic blue replace B with BU

Compliance, Approvals & Accreditation;



IEC EN 61386

EN 61386 Classification Available on request

Russian Fire Safety Certificate No. 000166

Typical Applications;



Machinery and OEM's



Construction

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| Created by; Colin Legg - Marketing Manager | Approved by; Ian Gibson - Technical Director | Date; August 2013 | Page Number; Page 1 of 2 |
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Technical Properties

| | |
|----------------------------------------------------------------|-------------------|
| Good Flexibility | Yes |
| High compression strength – kg /100mm for FPU20 | 350 kg |
| Tensile strength kg (FPU20) | 120 kg |
| Abrasion resistance | Yes |
| Temperature Range | -40° to + 100 ° C |
| Oil and solvent resistant | Yes |
| High microbial resistance, Saponification value (SAP) | 155mg KOH/g |
| Self extinguishing to EN 61386-1 (BSI Report No. 2381/7847798) | Yes |
| Highly flame retardant to UL94 | V0 |
| Conforms to EN 61386-2-3 | Yes |
| Halogen, Sulphur & Phosphorous free | Yes |
| Ingress protection with M,S,P or F type FSU fittings | IP54 |
| Ingress protection with C or C90 FSU fittings | IP65 |
| Russian Fire Safety Certificate No. 000166 | Yes |

Other Variants Available:



LFHU

Construction: Galvanised steel, helically wound, flexible steel conduit with Low Fire Hazard (LFH) coating. Colour black.

Typical Applications: Public and commercial buildings and tunnels.



FNU

Construction: Galvanised steel, helically wound, flexible steel conduit with elastomeric nylon coating. Colour black.

Typical Applications: Demanding applications requiring higher temperatures or solvent and abrasion resistance.



Created by;

Colin Legg - Marketing Manager

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August 2013

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