

<b>Technical Data Sheet:</b>	<b>DS118-2</b>
<b>Product Description</b>	<b>Standard weight nylon (flame retardant PA6) corrugated flexible conduit</b>
<b>Product Range</b>	<b>LDFPAS- Large Diameter Non-Metallic Conduits</b>

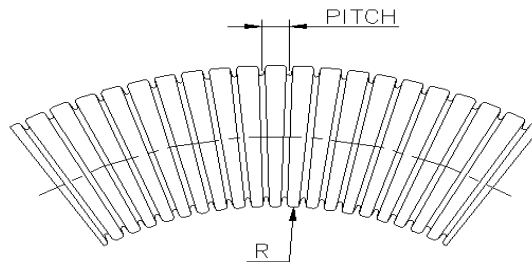
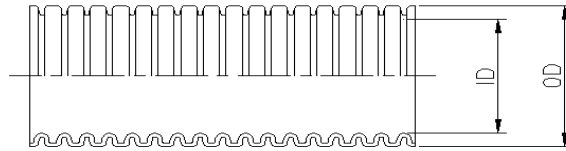
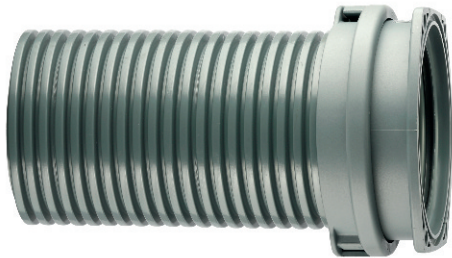
# FLEXICON

FLEXIBLE CONDUIT SOLUTIONS

Roman Way, Coleshill  
Birmingham  
B46 1HG

Tel: 00 44 (0)1675 466900

Website: www.flexicon.uk.com



**Material;**  
Nylon PA6 (flame retardant)

**Colour:**  
Black or  
Grey (RAL 7031)

**Fire Performance:**  
Highly flame retardant, halogen, sulphur and phosphorous free



**IP Rating:**

- IP40 with LDMP fittings
- IP65 with LDMP5 fittings

**Applications:**

Ideal for use in both internal and external applications LD-FPAS conduit provides excellent resistance to UV (Black Only), abrasion, oil and solvents.

**Temperature Performance:**

-40°C to +120°C

Nominal Size	Pitch F= fine C= coarse	Part No	Dimensions and Mechanical Properties					Weight g/M
			Reel Length (M)	OD (mm)	ID (mm)	Min Bend radius R (mm)	Compression Strength kg/100mm	
80	C	LDFPAS80#	10	80.0	67.0	160.0	80	460
106	C	LDFPAS106#	10	106.0	89.0	210.0	100	840

NB: # add B for Black or G for Grey

### Compliance, Approvals & Accreditation;



EN 61386 Classification Available on request

Vibration and Shock resistant to EN 61373 Cat 2

Lloyds Register of shipping Type Approved

Russian Fire Safety Certificate No. 1374363

### Typical Applications;



Construction



Machinery and OEM's

Errors, omissions and amendments excepted. As part of continuing product development Flexicon Ltd reserve the right to alter product specifications without prior notice. Data given is correct at time of compilation. Product specification and application data is for guidance only and does not constitute a warranty of any kind, either expressed or implied for Flexicon products or their suitability for a specific purpose. Third party approvals may be limited to certain sizes within a product range.

Created by; <b>Sarah Lee - Marketing Assistant</b>	Approved by; <b>Ian Gibson - Technical Director</b>	Date; <b>July 2018</b>	Page Number; <b>Page 1 of 2</b>
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## Technical Properties and Performance

Detail	Rating
Highly flexible with excellent fatigue life	Yes
IP (Ingress Protection) rating with LDMP Fittings	IP40
IP (Ingress Protection) rating with LDMPS Fittings	IP65
Temperature range-static	-40°C to +120°C
Displays self recovery If crushed	Yes
Water and dust resistant	Yes
Abrasion resistant	Yes
High impact strength ( at -25 ° C ) BSI Report 2381/7910013	> 6 Joules
Vibration and Shock resistant to EN 61373 Cat 2 (TUV Report 75908286)	Yes
UV resistant (Black) - (UL Report No. 13CA50836)	Yes
Lloyds Register Type Approval	Yes

## Fire Performance

Limiting Oxygen index to ISO 4589 (RAPRA Report No. 38985)	26.4%
Flame Retardency to UL 94 (RAPRA Report No. 39933)	V2
Ignition and fume rating to NFF16-101/2 (RAPRA Report No.43386)	I4F1
Maximum smoke opacity to BS 6853 annex D8.3 (RAPRA Report No. 38985)	Ao = 0.02
Toxicity Index to BS6853 B.1 (WFRC Report No. 141180)	r = 1.55
Toxicity Index to NFX70 - 100 (WFRC Report No. 141180)	CIT = 29.93
Self extinguishing to EN61386-1 (BSI Report No. 2381/7847798)	Yes
Halogen Sulphur and Phosphorous free	Yes
Russian Fire Safety Certificate No. 1374363	Yes

### Other Products available:

#### LDFPR

**Construction:** Heavy weight, flame retardant, nylon (PA6) corrugated flexible conduit. Colour black.

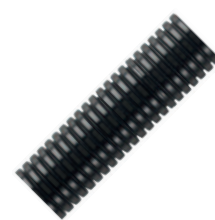
**Typical Applications:** All types of machinery and public buildings where high mechanical strength required.



#### LDFPAL

**Construction:** Light weight nylon (PA6) corrugated flexible conduit. Colour black or grey (RAL 7031).

**Typical Applications:** Machines where lower mechanical protection is required and buildings.



Created by; <b>Sarah Lee - Marketing Assistant</b>	Approved by; <b>Ian Gibson - Technical Director</b>	Date; <b>July 2018</b>	Page Number; <b>Page 2 of 2</b>
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