

Technical Data Sheet:	DS032-2
Product Description	Light weight nylon (PA6) corrugated flexible conduit
Product Range	FPAL- Non-Metallic Conduits

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FLEXIBLE CONDUIT SOLUTIONS

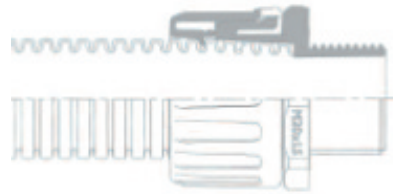
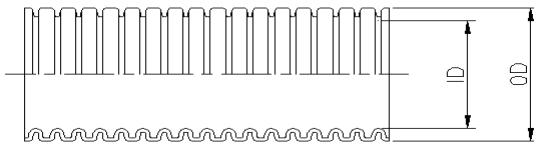
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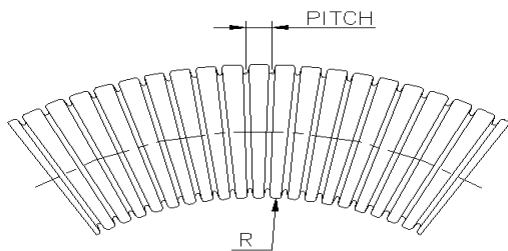
Website: www.flexicon.uk.com



Above picture illustrates Conduit complete with FPA fitting



Conduit complete with FPA fitting



Material;
Nylon PA6

Colour:
Black
Grey (RAL 7031)

Fire Performance:
Self extinguishing, halogen, sulphur and phosphorous free

IP Rating:

- IP66 with FPA fittings
- IP66+67+68+69 with FPAX & FPAU fittings

Applications:

Ideal for use in both internal and external applications FPAL conduit provides excellent resistance to abrasion, oil and solvents.

Typical Applications:
Machines where lower mechanical protection is required and buildings where fire risk is not a major consideration.

Compression

Strength:
60kg/100mm
(21mm size)

Pull-off (Tensile) strength :
30kg FPA & FPAX fittings
20kg FLK fittings
(21mm size)

Temperature Performance:

Static: -40°C to +120°C

Dynamic: -20°C to +100°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	
10	F	FPAL 10#	50	10.0	6.5	15	80	18
11	F	FPAL 11#	50	11.5	8.3	20	50	22
13	F	FPAL 13#	50	13.0	10.0	25	50	24
16	F	FPAL 16#	50	15.8	12.0	35	50	36
18	F	FPAL 18#	50	18.5	14.3	35	60	46
20	C	FPAL 20#	50	20.0	15.0	40	60	50
21	F	FPAL 21#	50	21.2	16.9	40	60	56
25	C	FPAL 25#	50	25.0	19.3	45	60	70
28	F	FPAL 28#	50	28.5	23.0	45	55	90
32	C	FPAL 32#	25, 50	32.0	25.0	55	55	100
34	C	FPAL 34#	50	34.5	28.3	55	55	110
42	C	FPAL 42#	25	42.5	35.7	65	50	150
54	C	FPAL 54#	25	54.5	47.4	80	50	200
67	C	FPAL 67#	10	67.2	56.5	110	55	310

NB: # add B for Black or G for Grey

Compliance, Approvals & Accreditation;



EN 61386 Classification Available on request

File No. E229161

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 maybe limited to certain sizes within a product range.

Created by; Sarah Lee - Marketing Assistant	Approved by; Ian Gibson - Technical Director	Date; July 2017	Page Number; Page 1 of 2
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Product Range	FPAL - Non-Metallic Conduits

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Technical and Performance properties Properties -	
Detail	Rating
Highly flexible with excellent fatigue life	Yes
IP rating with FPA fittings	IP66
IP Rating with FPAX fittings	IP66+67+68+69
Temperature range-static	-40°C to +120° C
Temperature range-dynamic	-20°C to +100° C
Self Extinguishing	Yes
Displays self recovery If crushed	Yes
Water and dust resistant	Yes
Abrasion resistant	Yes
Fire Performance	
Self extinguishing to EN61386 (RAPRA Report No. 39485)	Yes
Halogen Sulphur and Phosphorous free	Yes

Other Products available:	
<p>FPAS</p> <p>Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour black or grey (RAL 7031). Orange available on request.*</p> <p>Typical Applications: All types of machinery, public buildings.</p> 	<p>FPAH</p> <p>Construction: Heavy weight, flame retardant, nylon (PA6) corrugated flexible conduit. Colour black.</p> <p>Typical Applications: All types of machinery and public buildings where high mechanical strength required.</p> 
Created by; Sarah Lee - Marketing Assistant	Approved by; Ian Gibson - Technical Director
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