

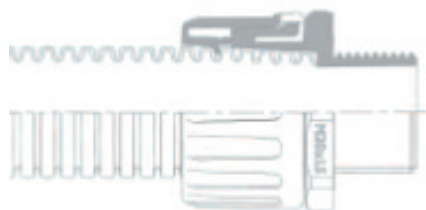
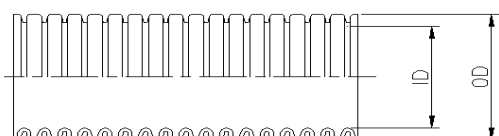
<b>Technical Data Sheet:</b>	<b>DS024-3</b>
<b>Product Description</b>	<b>Heavy weight nylon (flame retardant PA6) corrugated flexible conduit</b>
<b>Product Range</b>	<b>FPAH- Non-Metallic Conduits</b>

# Atkore™

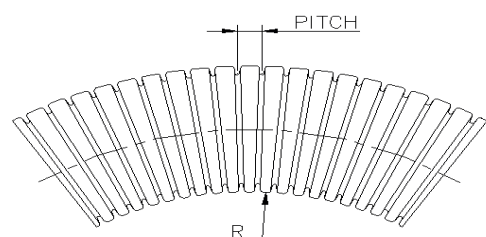
## Flexicon



www.atkore.com/flexicon



Conduit complete with FPA fitting



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	
13	F	FPAH13B	50	13.0	9.0	35	80	37
16	F	FPAH16B	50	15.8	11.5	45	80	48
21	C	FPAH21B	50	21.2	15.5	55	120	80
28	C	FPAH28B	50	28.5	21.3	60	150	130
34	C	FPAH34B	25	34.5	27.6	70	110	170
42	C	FPAH42B	25	42.5	34.6	80	110	200
54	C	FPAH54B	25	54.5	46.0	90	110	270
67	C	FPAH67B	10	67.2	55.8	150	110	400

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

**Colour:**  
Black

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



**IP Rating:**

IP66

with FPA fittings

IP66

IP67

IP68

IP69

with FPAX & FPAU fittings

**Applications:**  
Ideal for use in both  
internal and external  
applications FPAH  
conduit provides ex-  
cellent crush resist-  
ance and resistance  
to UV, abrasion, oil  
and solvents.

**Compression Strength:**  
120kg/100mm  
(21mm size)

**Pull-off (Tensile) strength :**  
70kg FPA, FPAX & FPAU  
fittings (21mm size)

**Temperature Performance:**

Static: -40°C to +120°C

Dynamic: -20°C to +100°C

### Compliance, Approvals & Accreditation;



IEC EN 61386



EN 61386 Classification Available on request

File No. E229161

### Typical Applications;



Construction



Defence



Machinery and OEM's



Rail

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; <b>Colin Legg - Marketing Director</b>	Approved by; <b>Alex Smith- Technical Director</b>	Date; <b>July 2023</b>	Page Number; <b>Page 1 of 2</b>
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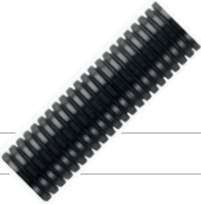
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Technical Properties and Performance	
Detail	Rating
Good flexibility and fatigue life	Yes
IP (Ingress Protection) rating with FPA fittings	IP66
IP (Ingress Protection) rating with FPAX Fittings	IP68+67+66
Temperature range-static	-40°C to +120°C
Temperature range-dynamic	-20°C to +100°C
Displays self recovery If crushed	Yes
Water and dust resistant	Yes
Abrasion resistant	Yes
High impact strength ( at -25 ° C )	> 6 Joules
UV resistant (UL Report No. 13CA50836)	Yes

Fire Performance	
Limiting Oxygen index to ISO 4589 (RAPRA Report No. 38985)	26.4%
Flame Retardancy 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

Other Products available:

<div> <div>FPAS</div> <div>           Construction: Standard weight, flame retardant nylon (PA6) corrugated flexible conduit. Colour black or grey (RAL 7031). Orange available on request.*         </div> <div>           Typical Applications: All types of machinery, public buildings.         </div> </div> <div>  </div>		<div> <div>FPAL</div> <div>           Construction: Light weight nylon (PA6) corrugated flexible conduit. Colour black or grey (RAL 7031).         </div> <div>           Typical Applications: Machines where lower mechanical protection is required and buildings.         </div> </div> <div>  </div>	
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