

Technical Data Sheet:	DS055-1
Product Description	Galvanised steel helically wound flexible conduit with smooth, oil resistant, black LFH coating.
Product Range	LTPLFH - Metallic Conduits

Atkore™

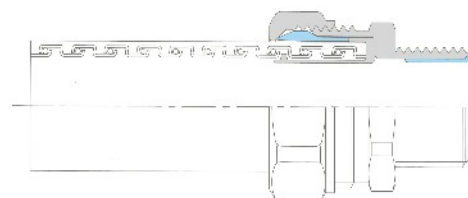
Flexicon



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LTPLFH Conduit



LTPLFH Conduit with C Type fitting

Material;

Galvanised Steel, helically wound flexible conduit with smooth, oil resistant, black LFH coating. Manufactured to American (UL360) sizes.

Colour:

Black

Note: Grey or orange available on request

Fire Performance:

Highly flame retardant, Low smoke, low toxicity, self extinguishing, halogen, sulphur and phosphorous free



IP Rating:

• IP66, IP67, IP68 (5 Bar), IP69

Applications:

Typically used for outdoor applications where liquid tight is a requirement.

Compression Strength (20mm size):

400kg/100mm

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

130kg

Temperature Performance:

-25°C to +90°C

Nominal Size	US Trade Size (Inches)	Part No	Dimensions			
			Reel Length (M)	OD (mm)	ID (mm)	Min Bend radius R (mm)
16	3/8"	LTPLFH16	25	17.8	12.6	60
20	1/2"	LTPLFH20	10, 25	21.1	16.0	100
25	3/4"	LTPLFH25	10, 25	26.4	21.0	130
32	1"	LTPLFH32	10	33.1	26.5	180

* double interlock section

Compliance, Approvals & Accreditation;



IEC EN 61386



BS EN 45545

EN 61386 Classification Available on request

Compliant to LUL Standard 1-085-A3

London Underground Certificate No. 2020

Vibration and Shock resistant to EN 61373 Cat 2

Typical Applications;



Machinery and OEM's



Rail



Marine

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; Colin Legg - Product Manager	Approved by; Richard Elsmore - Engineering Manager	Date; October 2024	Page Number; Page 1 of 2
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Technical Properties	
Flexibility	Reasonable
High compression strength – kg /100mm for LTPLFH20	400 kg
Tensile strength kg (LTPLFH20)	130 kg
Temperature Range	-25° to + 90 ° C
Oil resistant	Yes
IP Rating – with Flexicon LTP fittings	IP66, IP67, IP68(5 bar), IP69
Vibration and Shock resistant to EN 61373 Cat 2 (TUV Report 75908286)	Yes
UV Resistant (black) and suitable for outdoor use	Yes
Ozone resistant to ASTM D-470	Yes

Fire Performance	
Classification to BS EN 45545 (Exova report 360262, 360263, 360269)	HL3 - int and ext
Limiting Oxygen index to ISO 4589-2 (Exova Report No. 360262)	48.3%
Smoke opacity to BS6853 annex D8.3 (Exova report 322252)	A0 = 0.0131
Toxicity index to BS 6853 B.1 NF X 70-100 (Exova report 322251)	R = 0.27
Classification to BS 6853 (Exova report)	Cat 1a int and ext
London Underground Product Registration to 1-085-A3	Certificate No. 2020
Halogen acid gas content to IEC 60754-1	Zero
Sulphur and phosphorus free	Yes
Temperature index to ISO 4589-3	300 C
Halogen acid gas evolution to IEC 60754-1	0%
Corrosivity of gases to IEC 60754-2	4.5 pH
Conductivity of gases to IEC 60754-2	42µS/cm
Smoke density to ASTM E-662, flaming mode	Ds max = 48 after 11 min
Smoke density to ASTM E-662, non-flaming mode	Ds max = 350 after 12 min
Smoke density to NES 711	Ds max = 141 after 5 min
Toxicity index to NES713	1.6

Other Variants Available:

LTPUL

Construction: Galvanised steel, helically wound, flexible steel conduit including copper bonding strip (up to 32mm) with smooth pvc cover. Colour black.

Typical Applications: As for LTP but where UL listing or CSA approval is required.



LTPHC

Construction: Galvanised steel, helically wound, flexible conduit with smooth thermoplastic rubber cover. Colour black.

Typical Applications: Machine tools or outdoor installations where low or high temperature rating is required.



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