

<b>Technical Data Sheet:</b>	<b>DS028-2</b>
<b>Product Description</b>	Pliable corrugated galvanised steel with kraft paper lining and smooth extra LFH outer cover
<b>Product Range</b>	<b>LFHP - Metallic Pliable Conduits</b>

# FLEXICON

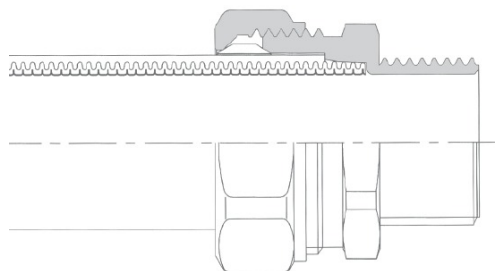
FLEXIBLE CONDUIT SOLUTIONS

Roman Way, Coleshill  
Birmingham  
B46 1HG

Tel: 00 44 (0)1675 466900  
Website: www.flexicon.uk.com



LFHP Conduit



LFHP Conduit with C Type fitting

**Material;**  
Galvanised Steel with kraft paper lining and smooth extra LFH outer cover

**Colour:**  
Black - UV resistant  
Grey available on request

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



**IP Rating:**  
• IP66, IP67 with C type fittings  
• IP66, IP67, IP68 (5 bar), IP69 with C-HS type fittings

**Applications:**  
Any applications where there is no movement and a high IP rating is Required such as marine applications.

Provides excellent EMC screening performance.

**Compression Strength:**  
570kg/100mm (20mm size)

**Pull-off (Tensile) strength :**  
50kg with C type fitting  
100kg with C-HS type fitting (20mm size)

**Temperature Performance:**  
-25°C to +90°C

Nominal Size	Part Number	Nominal Dimensions and Mechanical Properties			
		Reel Length (m)	OD (mm)	ID (mm)	Minimum Bend Radius (mm)
16	LFHP16B	25	17.8	11.6	40
20	LFHP20B	25	21.0	14.6	40
25	LFHP25B	25	27.3	20.4	55
32	LFHP32B	25	34.0	26.7	65

**Compliance, Approvals & Accreditation;**



IEC EN 61386



BS EN 45545

**Typical Applications;**



Rail



Marine



Construction



Defence

EN 61386 Classification Available on request

Compliant to LUL Standard 1-085-A3

London Underground Certificate No. 297

Vibration and Shock tested to EN 61373 Cat 2

Compliant to Defence Standard 61-12 Part 31

Lloyds Register of shipping Type Approved

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>Sarah Lee - Marketing Assistant</b>	Approved by; <b>Ian Gibson - Technical Director</b>	Date; <b>August 2018</b>	Page Number; <b>Page 1 of 2</b>
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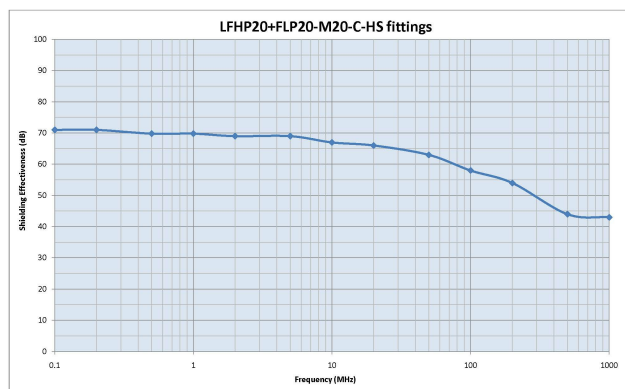
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**MADE IN THE UK**

BSI  
UKAS  
FM58347

General Performance	
Pliable and retains shape	Yes
High Tensile strength and does not extend	Yes
Compression strength kg/100mm for 20mm size	570 kg
Impact Strength to EN 61386 (BSI Report 2381/7546208)	6J @ -25°C
Temperature Range	-25° to + 90 ° C
Ingress Protection with C type fittings	IP66 & IP67
Ingress Protection with C-HS type fittings (Intertek report 09030537-002)	IP66, IP67, IP68 (5Bar), IP69
Vibration and Shock resistant to EN 61373 Cat 2 (TUV Report 75908286)	Yes
UV Resistant - Black only	Yes
EMC Screening @ 1Mhz (Cobham Technical Services Reports 2009 0407)	70dB
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	Cert 297
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 index to DEF STAN 02-711 Interscience Report ICL/H11/669)	30.8%
Toxicity Index to DEF STAN 02-713 (Interscience Report ICL/H10/350)	1.3
Approvals	
COMPLIANT TO LUL STANDARD 1-085-A3	Yes
Lloyds Register Type Approval	Yes
Defence Standard 61-12 Part 31 (QinetiQ Cert No. S&AS/SS/BCC/30/12/036/001	Yes



**Other Variants Available:**



**FL**

**Construction:** Corrugated galvanised steel with kraft paper lining. Colour, zinc self colour.

**Typical Applications:** Any installation where there is no movement.



**FLP**

**Construction:** Corrugated galvanised steel with kraft paper lining and smooth pvc outer cover. Colour black.

**Typical Applications:** Any installation where there is no movement and a high IP rating is required.



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