

Technical Data Sheet:	DS020-4
Product Description	Galvanised steel helically wound flexible steel conduit with Polyolefin extra low fire hazard coating and Stainless steel overbraid
Product Range	LFHUBRD - Metallic Braided Conduits

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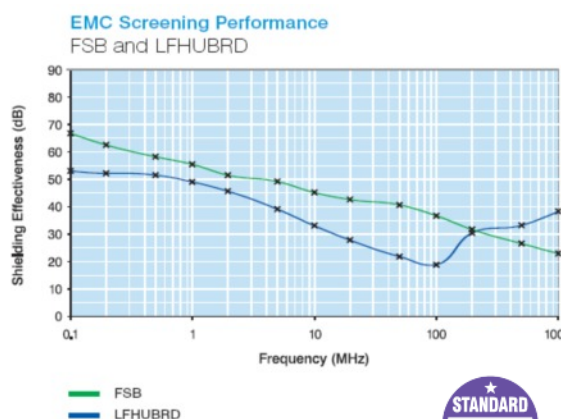
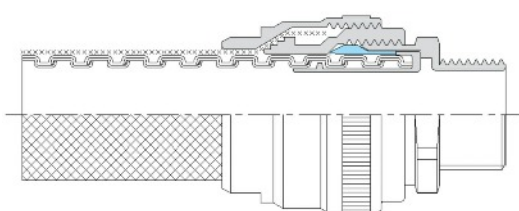
Flexicon



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LFHUBRD Conduit complete with Compression Type fitting



Material;

Galvanised Steel Conduit with Polyolefin extra low fire hazard coating and Stainless steel overbraid

Colour:

Self colour

Fire Performance:

Self extinguishing, halogen, sulphur and phosphorous free



IP Rating:

• IP54 with M, S, P or F type fittings

• IP65 with C, C-S and C90 type fittings

Applications:

LFHUBRD conduit provides high mechanical strength, high abrasion resistance, EMC screening and is anti-static.

Ideal for use in public and commercial buildings and tunnels, for industrial environments where high abrasion resistance, impact and vandal resistance is a requirement.

Compression

Strength:

350kg/100mm (20mm size)

Pull-off (Tensile)

Strength :

120kg standard fittings
300kg C-type fittings (20mm size)

Temperature Performance:

-25°C to +90°C

Nominal Size	Part No.	Dimensions and Mechanical Properties			
		Reel Length (M)	OD (mm)	ID (mm)	Min Bend Radius R (mm)
20	LFHUBRD20	25	22.7	16.9	50
25	LFHUBRD25	25	27.2	21.1	60
32	LFHUBRD32	25	35.2	28.1	90
40	LFHUBRD40	10	45.6	37.3	120
50	LFHUBRD50	10	56.4	48.0	130
63	LFHUBRD63	10	66.0	57.5	160

Compliance, Approvals & Accreditation;



IEC EN 61386



BS EN 45545

EN 61386 Classification Available on request

Complaint to LUL Standard 1-085-A3

London Underground Certificate No. 297

Typical Applications;



Construction



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; Colin Legg - Marketing Director	Approved by; Alex Smith - Technical Director	Date; July 2023	Page Number; Page 1 of 2
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General Performance	
Detail	Rating
Highly flexible	YES
IP (Ingress Protection) rating with M, S, P or F type fittings	IP54
IP (Ingress Protection) rating with C, C-S, C90 type fittings	IP65
Temperature range	-25°C to +90°C
Oil resistant	Yes
Compression Strength kg/100mm for 20mm size	350kg

Fire Performance	
Classification to BS EN 45545 (Exova Report No. 3602262, 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 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:

FSB

Construction: Galvanised steel, helically wound, flexible conduit with pvc coating and galvanised steel overbraid. Colour zinc, self colour.

Typical Applications: Industrial environments where higher abrasion resistance or screening are required.



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