

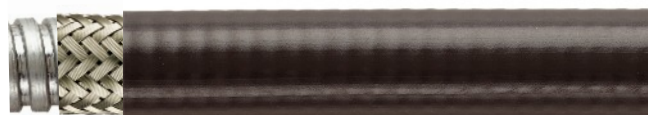
Technical Data Sheet:	DS5174-1
Product Description	Galvanised steel helically wound flexible steel conduit with Tinned Copper overbraid and Polyolefin extra low fire hazard coating
Product Range	LTTCLFH - Metallic Braided Conduits

Atkore™

Flexicon



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LTTCLFH Conduit



LTTCLFH Conduit with C type fitting

Material;

Galvanised steel helically wound flexible steel conduit with Tinned Copper overbraid and Polyolefin extra low fire hazard coating

Colour:

Black

EMC Screening Performance:



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:

LTTCLFH conduit provides a high IP rating with high mechanical strength, high abrasion resistance, oil resistant EMC screening as well as offering good flexibility, all combined with a smooth Low Fire Hazard outer cover.

Compression Strength:

400kg / 100mm

Pull-off (Tensile) strength :

130kg with C Type fitting

Temperature Performance:

-25°C to +90°C

Nominal Size	US TRADE SIZES (Inches)	Part No.	Nominal Dimensions			
			Reel Length (M)	OD (mm)	ID (mm)	Min Bend Radius R (mm)
20	½ "	LTTCLFH20B*	25	21.1	16.0	130
25	¾ "	LTTCLFH25B*	25	26.4	21.0	200
32	1"	LTTCLFH32B*	25	33.1	26.5	270
40	1 ¼ "	LTTCLFH40B*	10	41.8	35.4	300
50	1 ½ "	LTTCLFH50B*	10	47.9	40.4	350
63	2"	LTTCLFH63B*	10	59.7	51.6	420

* Indicates Parts made to order on request and may be subject to MOQ and leadtime

Compliance, Approvals & Accreditation;



IEC EN 61386



EN 45545

EN 61386 Classification Available on request

Vibration and Shock tested to EN61373 Cat 2

Typical Applications;



Machinery and OEM's



Rail



Defence & Marine

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Created by; Colin Legg - Product Manager	Approved by; Richard Elsmore - Engineering Manager	Date; May 2025	Page Number; Page 1 of 2
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Technical Properties	
Good Flexibility	Yes
High compression strength – kg /100mm for LTTCLFH20	400 kg
Tensile strength kg (LTTCLFH20)	130 kg
Temperature Range	-25° to + 90 ° C
Oil resistant	Yes
IP Rating – with Flexicon LTP fittings	IP66, IP67, IP68(5 bar), IP69
Conforms to EN 61386-2-3	Yes
UV Resistant (black) and suitable for outdoor use	Yes
EMC Screening	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
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

