

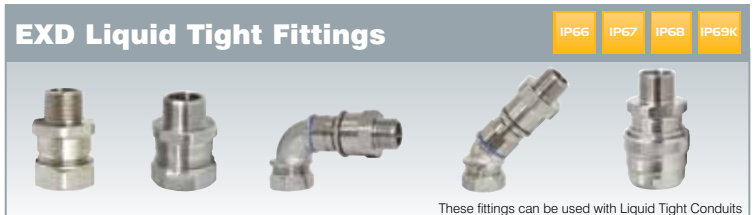
Flexicon

Liquid Tight Flexible Conduit Range

With a choice of 11 different conduit types and fittings that provide the highest Ingress Protection rating IP69K, you can be sure your installation is Liquid Tight not just for now, but for many years to come!

High level of mechanical protection is paramount in arduous environments such as oil and gas, mining and other industrial installations.

Flexicon Liquid Tight conduit and fittings offer a true heavy duty conduit and IP69K liquid tight solution for indoor or outdoor cable installations offering hard wearing solutions thus minimising production downtime.



Liquid tight conduit range



Conduit	LTP/LTPAS	LTPHC	LTPLFH	LTPUL
Core material	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel
Outer sheath	PVC / Anti-Static PVC	Thermoplastic Elastomer (TPE)	LFH Polyolefin	PVC
Size Range	10mm to 63mm	12mm to 63mm	16mm to 32mm	16mm to 63mm
Temperature Range	-20°C.....+105°C	-60°C+150°C	-25°C+90°C	-15°C.....+75°C
IP Rating	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) + IP69K
Tensile Strength*	130kg	130kg	130kg	160kg
Compression Strength*	400kg	400kg	400kg	500kg
Min Inside Bend Radius*	65mm	65mm	100mm	90mm
Colours	Black, Grey, Orange	Black	Black	Black
UV Resistant	Yes	Yes	Yes	Yes
Oil Resistance	Yes	Yes	Yes	Yes
Fire performance	Self Extinguishing	Self Extinguishing & Halogen Free	Extra Low Fire Hazard & Self Extinguishing	Self Extinguishing
Applications	Oil resistance	Low / High Temp	LFH	Dual listed
Anti-Static Option	Yes (LTPAS)	-	-	-
Additional Approvals	Lloyds Register of Shipping	-	London Underground	UL Listed & CSA Approved

* Figures are representative for 20mm size

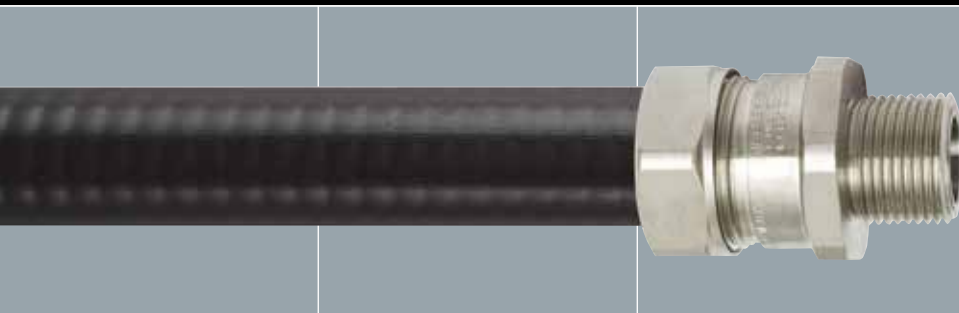
International Standards – the peace of mind you should expect!

LFH encompasses LSF (low smoke and fume) and LSOH (low smoke zero halogen)

Low Fire Hazard (LFH) conduit systems are becoming an increasing part of the specification in many cabling applications. Low Fire Hazard systems are required to protect personnel and property in the event of a fire and may be demanded by specifiers, occupiers, fire services or even insurers. Visit our website for more information.

LTPLFH		EXTRA LOW FIRE HAZARD **
Self extinguishing	to EN 61386	
Highly flame retardant	LOI = 50%	
Low smoke to BS6853	maximum opacity Ao = 0.01	
Low toxicity to BS6853	R = 0.27	
Classification to BS6853	Cat 1a int and ext	
London Underground Product Registration to 1-085	Certificate no. 2020	
Halogen, Sulphur & Phosphorus free		

Flexicon Liquid Tight Conduit Galvanised Steel & Plastic Coated



**LTP, LTPAS, LTPHC,
LTPUL, LTPPU,
LTPPUAS & LTPLFH**
Galvanised Steel Core,
Plastic Coated Liquid Tight

Conduit

LTP & LTPAS



Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature pvc cover. Colour black. Grey or orange on request.

Special Characteristics: Oil resistant and self extinguishing.

LTPAS version as above but with anti-static performance coating.

LTPHC

Construction: Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover. Colour black.

Special Characteristics: Wide temperature range performance. Good flexibility at low and high temperatures.

LTPUL

Construction: Galvanised steel, helically wound, flexible steel conduit including copper bonding strip (up to 40mm) with smooth pvc cover. Colour black.

Special Characteristics: UL listed and CSA approved.

LTPPU & LTPPUAS



Construction: Galvanised steel, helically wound, flexible steel conduit with smooth halogen free polyurethane cover. Colour black (B) and blue (BU). (RAL 5015)

Special Characteristics: Low temperature performance, high abrasion and high fatigue life.

LTPPUAS version as above but with anti-static performance coating.

Properties

- High mechanical strength
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69K
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Temperature range
 - 20°C to +105°C (LTP) -40°C to +80°C (LTPPU)
 - 60°C to +150°C (LTPHC) -25°C to +90°C (LTPLFH)
 - 15°C to +75°C (LTPUL)
- LTP has Lloyd's Register Type Approval
- LTPUL conduits are UL listed and CSA approved
- Resistant to oils and greases
- Compliant to LUL Std 1-085-A3 (LTPLFH)
- Good flexibility (LTP, LTPAS, LTPHC, LTPUL, LTPPU & LTPPUAS)
- UV resistant and suitable for external use
- Nickel plated brass or stainless steel fittings
- Vibration and shock tested to EN61373 Cat 2
- LTPAS & LTPPUAS have Anti-Static performance coating

LTPLFH



Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover. Colour black.

Special Characteristics: As per LTP but where Extra Low Fire Hazard performance is required.

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTP part number	reel length (m)	min inside bend radius (mm)	LTPAS part number	reel length (m)	min inside bend radius (mm)	LTPHC part number	reel length (m)	min inside bend radius (mm)	LTPUL part number	reel length (m)	min inside bend radius (mm)	LTPPU part number	reel length (m)	min inside bend radius (mm)	LTPPUAS part number	reel length (m)	min inside bend radius (mm)	LTPLFH part number	reel length (m)	min inside bend radius (mm)
10	3/8	11.8	7.0	LTP10B+	50	35										LTPPU10	25	35						
12	1/2	14.2	10.0	LTP12B	25, 50	40				LTPHC12B	25	40				LTPPU12	25	40						
16	5/8	17.8	12.6	LTP16B	10, 25, 50	45	LTPAS16B	25	45	LTPHC16B	25	45	LTPUL16B	25	50	LTPPU16	25	45	LTPPUAS16	25	45	LTPLFH16B	25	60
20	3/4	21.1	16.0	LTP20B	10, 25, 50	65	LTPAS20B	25	65	LTPHC20B	25	65	LTPUL20B	25	90	LTPPU20	25	65	LTPPUAS20	25	65	LTPLFH20B	10, 25	100
25	1	26.4	21.0	LTP25B	10, 25, 50	100	LTPAS25B	25	100	LTPHC25B	25	100	LTPUL25B	25	110	LTPPU25	25	100	LTPPUAS25	25	100	LTPLFH25B	10, 25	130
32	1 1/4	33.1	26.5	LTP32B	10, 25	135	LTPAS32B	25	135	LTPHC32B	25	135	LTPUL32B	15	140	LTPPU32	25	135	LTPPUAS32	25	135	LTPLFH32B	10	180
40	1 1/2	41.8	35.4	LTP40B	10, 25	175	LTPAS40B	10	175	LTPHC40B	10	175	LTPUL40B	15	180	LTPPU40	10	175	LTPPUAS40	10	175			
50	2	47.9	40.4	LTP50B+	10, 25	230	LTPAS50B+	10	230	LTPHC50B+	10	230	LTPUL50B+	15	230	LTPPU50+	10	230	LTPPUAS50+	10	230			
63	2 1/2	59.7	51.6	LTP63B+	10, 25	280	LTPAS63B+	10	280	LTPHC63B+	10	280	LTPUL63B+	15	280	LTPPU63+	10	280	LTPPUAS63+	10	280			

+ Double interlock section.

Please note that some of the above products are made to order on request and may be subject to MOQ and lead time. Contact us for further details.

STANDARDS



BS EN IEC 61386



Technical Drawing



LTP, LTPAS, LTPHC, LTPUL, LTPPU, LTPPUAS & LTPLFH