

# Liquid Tight Conduits range

## Metallic Conduits

LTP	LTPLFH	LTPHC
<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature PVC cover.</p> <p><b>Colour:</b> Black. Grey or Orange on request</p> <p><b>Typical Applications:</b> High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration such as external car park barriers and systems.</p> <p><b>Special Characteristics:</b> Oil resistant and self extinguishing.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Temperature range -20°C to +105°C</li> <li>• Good flexibility</li> <li>• Lloyd's Register Type Approval</li> <li>• Resistant to oils and greases</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> <li>• Black, Grey and Orange are UV resistant and suitable for external use</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover.</p> <p><b>Colour:</b> Black</p> <p><b>Typical Applications:</b> High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for internal and external applications where fire performance is a requirement. APR 2020.</p> <p><b>Special Characteristics:</b> As per LTP but where Extra Low Fire Hazard performance is required.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Temperature range -25°C to +90°C (LTPLFH)</li> <li>• Good flexibility</li> <li>• UV resistant (black) and suitable for external use</li> <li>• Resistant to oils and greases</li> <li>• EXTRA Low Fire Hazard UL94 V0 (for LFH see page 148)</li> <li>• Compliant to LUL Std S1085 (LTPLFH) Cert No. 2020</li> <li>• EN 45545 to HL3 and NFPA130 compliant</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover.</p> <p><b>Colour:</b> Black</p> <p><b>Typical Applications:</b> High mechanical strength combined with high and low temperature performance, combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration.</p> <p><b>Special Characteristics:</b> Wide temperature range performance. Good flexibility at low and high temperatures.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Temperature range -60°C to +150°C</li> <li>• Good flexibility</li> <li>• UV resistant (black) and suitable for external use</li> <li>• Resistant to oils and greases</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> </ul>

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTP	part number	reel length (m)	min inside bend radius (mm)	LTPLFH	part number	reel length (m)	min inside bend radius (mm)	LTPHC	part number	reel length (m)	min inside bend radius (mm)
10	¼	11.8	7.0	LTP10B <sup>+</sup>		50	35								
10															
12	⅜	14.2	10.0	LTP12B		25, 50	40					LTPHC12B <sup>+</sup>		25	40
16	⅝	17.8	12.6	LTP16B		10, 25, 50	45	LTPLFH16B		25	60	LTPHC16B		25	45
16															
20	½	21.1	16.0	LTP20B		10, 25, 50	65	LTPLFH20B		25	100	LTPHC20B		25	65
25	¾	26.4	21.0	LTP25B		10, 25, 50	100	LTPLFH25B		25	130	LTPHC25B		25	100
32	1	33.1	26.5	LTP32B		10, 25, 50	135	LTPLFH32B		10	180	LTPHC32B		25	135
40	1¼	41.8	35.4	LTP40B		10, 25	175					LTPHC40B		10	175
50	1½	47.9	40.4	LTP50B <sup>+</sup>		10, 25	230					LTPHC50B <sup>+</sup>		10	230
63	2	59.7	51.6	LTP63B <sup>+</sup>		10, 25	280					LTPHC63B <sup>+</sup>		10	280

## Ordering Notes

- Add reel length eg: LTP20B-25M for a 25m reel
- For LTP specify colour (B = Black, G = Grey)
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section
- # PG & NPT threads not supplied with insulated throats
- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - C-S with PG threads
  - other colours
  - internal thread fittings

EN 45545-2 HL3 NFPA 130

## LTPPU

**Construction:** Galvanised steel, helically wound, flexible steel conduit with smooth halogen free polyurethane cover.

**Colour:** Black (B) and Blue (BU) (RAL 5012)

**Typical Applications:** High mechanical strength with low temperature and high abrasion resistance, combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a requirement.

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

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils & greases
- Temperature range: -40°C to +100°C
- UV resistant and suitable for external use
- High abrasion, high fatigue life
- Vibration and shock tested to EN61373 Cat 2

## LTBRDP

**Construction:** Galvanised steel, helically wound, flexible conduit with galvanised steel braid and oil resistant and high temperature pvc smooth cover.

**Colour:** Black

**Typical Applications:** Machinery or outdoor applications where high corrosion resistance and liquid tight are a requirement combined with EMC screening

**Special Characteristics:** Good flexibility and EMC screening.

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils & greases
- Temperature range: -20°C to +105°C
- UV resistant and suitable for external use
- Vibration and shock tested to EN61373 Cat 2
- Provides EMC screening

## LTBRDLFH

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

**Colour:** Black

**Typical Applications:** Installations where liquid tight is a requirement and where low fire hazard properties and EMC screening are required.

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

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils & greases
- Temperature range: -20°C to +90°C
- UV resistant and suitable for external use
- Vibration and shock tested to EN61373 Cat 2
- Provides EMC screening
- Extra Low Fire Hazard UL94 V0 (for LFH see page 8)
- Compliant to LUL Std S1085 (Cert No. 658)
- EN 45545 to HL3 and NFPA 130 compliant

LTPPU	part number	inside dia (mm)	min inside bend radius (mm)	LTBRDP	part number	inside dia (mm)	min inside bend radius (mm)	LTBRDLFH	part number	reel length (m)	min inside bend radius (mm)	nominal size (mm)
	LTPPU10*	25	35									10
	LTPPU12*	25	40									10
	LTPPU16*	25	45									12
	LTPPU20*	25	65	LTBRDP20B	25	65		LTBRDLFH20B	25	130		16
	LTPPU25*	25	100	LTBRDP25B	25	100		LTBRDLFH25B	25	200		16
	LTPPU32*	25	135	LTBRDP32B	25	120		LTBRDLFH32B*	25	270		20
	LTPPU40*	10	175	LTBRDP40B	10	140						25
	LTPPU50**	10	230	LTBRDP50B*	10	180						32
	LTPPU63**	10	280	LTBRDP63B*	10	270						40
												50
												63

## Standards



Note: refer to conduit properties for applicable standards