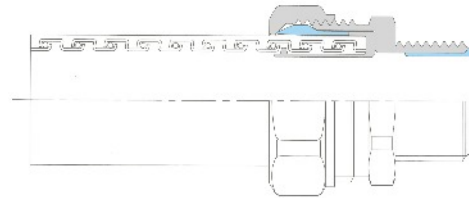


<b>Technical Data Sheet:</b>	<b>DS039/0214</b>
<b>Product Description</b>	Galvanised steel helically wound flexible conduit with smooth, oil resistant, black polyurethane coating.
<b>Product Range</b>	<b>LTPPU - Metallic Conduits</b>

Roman Way, Coleshill  
Birmingham  
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Tel: 00 44 (0)1675 466900  
Website: www.flexicon.uk.com



LTPPU Conduit



LTPPU Conduit with C Type fitting

**Material;**  
Galvanised Steel, helically wound flexible conduit with smooth, oil resistant, black polyether- polyurethane coating. Manufactured to American (UL360) sizes.

**Colour:**  
Black & Blue (RAL 5012)

**Fire Performance:**

Self Extinguishing & Halogen Free  
UL94 V0

**IP Rating:**

• IP66, IP67, IP68 (5 Bar), IP69K

**Applications:**

- Typically used for outdoor applications where liquid tight is a requirement.
- High abrasion and tear resistance.
- UV resistant (black)
- Oil resistant
- High microbial resistance
- Blue conduit can be used for intrinsically safe circuits

**Compression Strength (20mm size):**

400kg/100mm

**Pull-off (Tensile) strength (20mm size):**

130kg

**Temperature Performance:**

-40°C to +100°C

Nominal Size	US Trade Size (Inches)	Part No	Dimensions			
			Reel Length (M)	OD (mm)	ID (mm)	Min Bend radius R (mm)
10	1/4"	LTPPU10*	25	11.8	7.0	35
12	5/16"	LTPPU12*	25	14.2	10.0	40
16	3/8"	LTPPU16	25	17.8	12.6	45
20	1/2"	LTPPU20	25	21.1	16.0	65
25	3/4"	LTPPU25	25	26.4	21.0	100
32	1"	LTPPU32	25	33.1	26.5	135
40	1 1/4"	LTPPU40	10	41.8	35.4	175
50	1 1/2"	LTPPU50*	10	47.9	40.4	230
63	2"	LTPPU63*	10	59.7	51.6	280

\* double interlock section

**Compliance, Approvals & Accreditation;**



EN 61386 Classification Available on request  
Vibration and Shock resistant to EN 61373 Cat 2  
Russian Fire Safety Certificate No. 000166

**Typical Applications;**



Machinery and OEM's



Rail



Marine

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.

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**FLEXICON**  
 FLEXIBLE CONDUIT SOLUTIONS  
 Roman Way, Coleshill  
 Birmingham  
 B46 1HG  
 Tel: 00 44 (0)1675 466900  
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Technical Properties	
Good Flexibility	Yes
High compression strength – kg /100mm for LTPPU20	400 kg
Tensile strength kg (LTPPU20)	130 kg
Abrasion resistance	Yes
Temperature Range	-40° to + 100 ° C
Oil resistant	Yes
High microbial resistance, Saponification value (SAP)	155mg KOH/g
IP Rating – with Flexicon LTP fittings	<b>IP66, IP67, IP68(5 bar), IP69K</b>
Self extinguishing to EN 61386-1 (BSI Report No. 2381/7847798)	Yes
Fire performance to UL94	V0
Conforms to EN 61386-2-3	Yes
Halogen, Sulphur & Phosphorous free	Yes
Vibration and Shock resistant to EN 61373 Cat 2 (TUV Report 75908286)	Yes
UV Resistant (Black) (UL Report No. 13CA50836)	Yes
Russian Fire Safety Certificate No. 000166	Yes

**Other Variants Available:**

**LTPUL**

**Construction:** Galvanised steel, helically wound, flexible steel conduit including copper bonding strip (up to 32mm) with smooth pvc cover. Colour black.

**Typical Applications:** As for LTP but where UL listing or CSA approval is required.



**LTPHC**

**Construction:** Galvanised steel, helically wound, flexible conduit with smooth thermoplastic rubber cover. Colour black.

**Typical Applications:** Machine tools or outdoor installations where low or high temperature rating is required.



Created by; <b>Colin Legg - Marketing Manager</b>	Approved by; <b>Ian Gibson - Technical Director</b>	Date; <b>February 2014</b>	Page Number; <b>Page 2 of 2</b>
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