



Product Features & Benefits Our range of Hygienic Flexible Conduits offers a smooth, easy to clean surface. With the additional Stainless Steel Hygienic fittings & accessories it creates a complete system ideal for Food & Beverage, Machinery

Introducing Flexicon's range of hygienic systems

- Flexicon offer Cable Protection products which allow for efficient cleaning whilst providing system integrity for Hygienic environments.
- Our products protect against the build up of microbes and bacteria and also ensure that cleaning processes do not damage or compromise equipment operation. Manufactured in accordance with EN1672-2 and EN ISO 14159
- Our new range of Stainless Steel Round Connection boxes have been designed using SS Grade 316L and feature a range of connection options.
- Hygienic Glands are available as a short thread version to ensure a secure connection whilst maximising wiring space within the box.

Features & Benefits

- 1) Hygienic design
 - In accordance with EN1672-2 & EN ISO 14159
- 2) High Tensile Strength
 - 70kg for LPC conduit & fitting*
 - 130kg for LTP conduit & fitting*
- 3) Smooth finish
 - Eliminate build up of bacteria & micro-organisms
- 4) High IP rating
 - IP66, IP67, IP68 (2 Bar) & IP69
- 5) Corrosion resistance
 - Material type (SS316L)
- 6) High chemical and thermal resistance
 - · Resistant to chemicals & cleaning agents
- 7) Fewer components
 - · Ease of assembly and integrated barrier seal to prevent contamination.







& OEM's, Healthcare and Pharmaceutical applications.









Conduit Selection



Flexicon Hygienic System

		L	.PC-FG	LTF	P-FG	LTBRI	DP-FG	LTPSS-FG
			Reinforced with /C Jacket		Steel Core with Cover		Steel Core & th PVC Cover	Stainless Steel Core with PVC Cover
		mm)	120	4	00	4(00	400
			70	1	30	13	30	130
		-20°	C to +90°C	-20°C to	+105°C	-20°C to	+105°C	-20°C to +105°C
		ize)	70	(35	6	5	65
	n Free		No	1	No	N	lo	No
			Yes	Y	es es	Ye	es	Yes
		IP66,	67, 68 & 69	IP66, 67	', 68 & 69	IP66, 67,	. 68 & 69	IP66, 67, 68 & 69
			No	1	No	Ye	es	No
\vailable	e Colours							
3S EN I	EC 61386		Yes	Y	'es	Ye	es	Yes
			Yes	Y	'es	Ye	es	Yes
			Yes	Y	'es	Ye	es	Yes
REACH			Yes	Υ	es es	Ye	es	Yes
			Yes	Y	es es	Ye	es	Yes
DA Ap	proved Ingredients		Yes	Υ	es es	Y€	es	Yes
nominal size (mm)		LPC-FG		LTE	P-FG	LTBRI	DP-FG	LTPSS-FG
12	LPCWFG12	LPCBUFGI6	LPCGFG12	LTPWFGI2	LTPBUFG12			
16	LPCWFG16	LPCBUFGI6	LPCGFG16	LTPWFGI6	LTPBUFGI6			LTPSSBUFG16
20	LPCWFG20	LPCBUFG20	LPCGFG16	LTPWFG20	LTPBUFG20	LTBRDPWFG20	LTBRDPBUFG20	LTPSSBUFG20
25	LPCWFG25	LPCBUFG25	LPCGFG16	LTPWFG25	LTPBUFG25	LTBRDPWFG25	LTBRDPBUFG25	LTPSSBUFG25
32	LPCWFG32	LPCBUFG32	LPCGFG16	LTPWFG32	LTPBUFG32	LTBRDPWFG32	LTBRDPBUFG32	LTPSSBUFG32
40	LPCWFG40	LPCBUFG40	LPCGFG16	LTPWFG40	LTPBUFG40	LTBRDPWFG40	LTBRDPBU FG40	LTPSSBU FG40
50	LPCWFG50	LPCBUFG50	LPCGFG16	LTPWFG50	LTPBUFG50	LTBRDPWFG50	LTBRDPBUFG50	LTPSSBUFG50
63	LPCWFG63	LPCBUFG63	LPCGFG16	LTPWFG63	LTPBUFG63			

Also Available - UL Listed Conduits

For more information on UL listed hygienic conduits, please contact us on flexiconsales@atkore.com

UL Type LFNC-B Splash Zone Liquid Tight conduit

Construction: UL liquid tight PVC jacket that inhibits bacteria growth.



UL Type LFMC Splash Zone Liquid Tight conduit

Construction: Zinc coated galvanised low carbon steel strip with a white UL liquid tight PVC jacket that inhibits bacteria growth.



Non-Metallic System



LPC-FG conduit

White, Blue or Grey Reinforced uPVC with PVC Jacket

Construction: Smooth bore, smooth cover, helically formed PVC, flexible conduit with spiral uPVC reinforcement and flexible PVC jacket. Colour white, blue or grey available.

Typical Applications: Suitable for repeat contact with all food types, excluding fatty foods, at full temperature.

The flexible PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.

LPC-C-FG fitting

Metric threads

Multipart compression fitting designed using principles given in EN1672-2 and EN ISO 14159. Manufactured from 316L Stainless Steel, complete with polyester elastomer compression seals to prevent ingress of food or bacteria. Can be used for knockout or threaded entries as fitting rotates until tightened.











Nominal size (mm)	ID (mm)	OD (mm)	Reel Length (m)	Conduit Part No. White	Conduit Part No. Blue	Conduit Part No. Grey
12	10.0	14.2	30	LPCWFG12	LPCBUFG12	LPCGFG12
16	12.0	17.8	30	LPCWFG16	LPCBUFG16	LPCGFG16
20	16.0	21.1	10, 30	LPCWFG20	LPCBUFG20	LPCGFG20
25	21.0	26.4	10, 30	LPCWFG25	LPCBUFG25	LPCGFG25
32	26.5	33.1	10, 30	LPCWFG32	LPCBUFG32	LPCGFG32
40	35.4	41.8	10, 30	LPCWFG40	LPCBUFG40	LPCGFG40
50	40.0	47.9	10, 30	LPCWFG50	LPCBUFG50	LPCGFG50
63	51.3	59.7	10, 30	LPCWFG63	LPCBUFG63	LPCGFG63

Thread Size
M12
M16
M20
M25
M32
M40
M50
M63

Metallic Systems



LTP-FG conduit

Galvanised Steel with White or Blue PVC Cover

Construction: Galvanised steel, helically wound, flexible conduit with smooth white or blue PVC cover.

Typical Applications: Suitable for repeat contact with all food types, excluding fatty foods, at full temperature.

The flexible PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.





Nominal size (mm)	ID (mm)	OD (mm)	Conduit Part No. White	Reel Length (m)	Conduit Part No. Blue	Reel Length (m)
12	10.0	14.2	LTPWFG12	25, 50	LTPBUFG12	25, 50
16	12.6	17.8	LTPWFG16	25	LTPBUFG16	25
20	16.0	21.1	LTPWFG20	10, 25	LTPBUFG20	10, 25
25	21.0	26.4	LTPWFG25	10, 25	LTPBUFG25	10, 25
32	26.5	33.1	LTPWFG32	10, 25	LTPBUFG32	10, 25
40	35.4	41.8	LTPWFG40	10	LTPBUFG40	10
50	40.0	47.9	LTPWFG50	10	LTPBUFG50	10
63	51.3	59.7	LTPWFG63	10	LTPBUFG63	10

LTBRDP-FG conduit

Galvanised Steel Core & Braid with a White or Blue PVC Cover

Construction: Galvanised steel, helically wound, flexible conduit with galvanised steel braid and a white or blue PVC smooth cover.

Typical Applications: Suitable for applications where high corrosion resistance and liquid tight are a requirement combined with EMC screening. The flexible PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.





Conduit Part No. White	Reel Length (m)	Conduit Part No. Blue	Reel Length (m)
LTBRDPWFG20	10, 25	LTBRDPBUFG20	10, 25
LTBRDPWFG25	10, 25	LTBRDPBUFG25	10, 25
LTBRDPWFG32	10, 25	LTBRDPBUFG32	10, 25
LTBRDPWFG40	10	LTBRDPBUFG40	10
LTBRDPWFG50	10	LTBRDPBUFG50	10

Install Pack



I-Pack

The I-Pack consists of 3 metres of conduit, 2 Hygienic fittings and 2 Stainless Steel Locknuts.

Featuring a smooth inner bore, the LPC-FG makes it easy to run cables through the conduit, simplifying installation.

Benefits

- Simplistic ordering one part number
- Easy Storage short length coiled for space saving
- Ready to use all components to create a system











20mm I-PACK

I-PACKBUFG20

3m x LPCBUFG20 Conduit 2x LPC-C-FG Fittings 2x SS-M20 Locknuts



I-PACKWFG20

3m x LPCWFG20 Conduit 2x LPC-C-FG Fittings 2x SS-M20 Locknuts



25mm I-PACK

I-PACKBUFG25

3m x LPCBUFG25 Conduit 2x LPC-C-FG Fittings 2x SS-M25 Locknuts



I-PACKWFG25

3m x LPCWFG25 Conduit 2x LPC-C-FG Fittings 2x SS-M25 Locknuts





LTPSS-FG conduit

Stainless Steel Core with

Blue PVC Cover

Construction: Stainless Steel (316L), helically wound, flexible

PVC blue smooth cover.

Typical Applications: Suitable for repeat contact with all food types, excluding fatty foods, at full temperature.

The PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.



Nominal size (mm)	Conduit Part No. Blue	Reel Length (m)
12		
16	LTPSSBUFG16	25
20	LTPSSBUFG20	25
25	LTPSSBUFG25	25
32	LTPSSBUFG32	10
40	LTPSSBUFG40	10
50	LTPSSBUFG50	10
63		

LTP-C-FG fitting

Metric threads

Multipart compression fitting designed using principles given in EN1672-2 and EN ISO 14159. Manufactured from 316L Stainless Steel, complete with polyester elastomer compression seals to prevent ingress of food or bacteria. Can be used for knockout or threaded entries as fitting rotates until tightened.











Thread size
M12
M16
M20
M25
M32
M40
M50
M63

Stainless Steel Round Box

Round Connection Box hygienic

Stainless Steel



4 Way Box shown 2 mounting holes on base M20 Thread Entries

Construction: Stainless Steel (Grade 316L) Round box consisting of a base and lid. Designed using the principles of EN 1672-2 and EN ISO 14159 supplied with blue high visibility polyester elastomer lid and base seals. Available with either 2 (through) or 4 holes, other versions available on request. 2 Fixing holes are provided, together with component Mounting holes to help with installation. Slots in the lid allow for secure tightening of the lid and aids opening for maintenance or upgrade. Design offers high Ingress Protection combined with high corrosion resistance.









NEW

	Part Number	Height (mm)	Diameter (mm)
2 Way	FB0X75X60-M20X2-SS	65	75
4 Way	FB0X75X60-M20X4-SS	65	75

Typical Applications: Ideal use as a Junction

Box for the interconnection of circuits for Hygienic

Applications. The lid and base construction provides

access to cabling routed through connecting

conduits. Pre drilled Mounting holes provide easy

option to fix terminals or DIN rail within the box. Ideal for extending or modifying circuits whilst maintaining

system integrity. The Box offers the possibility to

connect and interface with Cable Glands or different

types of cabling installations.

LPC & LTP short thread fitting

Metric threads

Construction: Manufactured from 316L Stainless Steel.

Typical Applications: For use with round connection box to maximise available wiring space within the box.











SP blanking plug

Stainless Steel



Construction: Stainless Steel (Grade 316L) designed using the principles of EN 1672-2 and EN ISO 14159 supplied with blue high visibility polyester seal.

Typical Applications: Can be used to seal off any unused ways on the Stainless Steel Round Connection Box.





For LPC Conduit	For LTP, LTBRDP & LTPSS Conduit
LPC20-M20ST-C-FG	LTP20-M20ST-C-FG

Blanking Plug Part Number
SP-M20-FG-SS

Fixing Clip

Stainless Steel

Fixing clip to support conduit. Manufactured from 316L Stainless Steel. Can be used with both metallic and non-metallic hygienic conduits.



Ø	Fixing Clip Part Number
12	FCC12-SS
16	FCC16-SS
20	FCC20-SS
25	FCC25-SS
32	FCC32-SS
40	FCC40-SS
50	FCC50-SS
63	

Locknut

Stainless Steel

Hexagonal locknut to secure fitting. Manufactured from 316L Stainless Steel. Can be used with LPC-C-FG and LTP-C-FG fittings.



Thread Size	Locknut Part Number
M12	SS-M12
M16	SS-M16
M20	SS-M20
M25	SS-M25
M32	SS-M32
M40	SS-M40
M50	SS-M50
M63	SS-M63

Why use Flexible Conduit



Cleaning regimes are an important and essential process to ensure the safety and quality of a company's output and goods.

Whilst machinery or plant is being cleaned or maintained, production or service output is zero therefore this time should be as effective as possible, without compromising safety and quality.

"Flexicon can offer Hygienic Cable Protection solutions that save time and money"

Flexicon are the leading solutions provider to protect your critical power and data cables in Hygienic environments from damage caused by mechanical, electrical or environmental influences.

Why use Flexible Conduit over cable?

Flexible Conduit is ideal for the Cable Protection, Management and Routing of power and / or data cables.



Simplicity

No need for specialist cables. Standard and single core cables can be grouped and protected in one system. Mechanical protection is provided by the conduit system. Fewer components mean less product inventory throughout the supply chain.



Space Saving

Grouping standard cables into one system means less glanding space / area required to terminate. Cost savings can be achieved by using smaller enclosures, less components and reducing installation time required to terminate.



Speed of Installation

Grouping cables using flexible conduit means fewer cable entry points to the enclosure / equipment therefore less installation time. Flexible Conduit offers the ability to route around equipment and plant without the need for specialist bending equipment.



Fixing

Multiple circuits can be fixed and secured in one system. This makes cleaning easy with one smooth outer cover. A range of fixing and mounting solutions are available to secure the Conduit in place throughout its lifetime.



Reduced Maintenance

Existing circuits can be replaced or added with ease using a conduit system, throughout the life of the installation. Less cable entry points means less opportunity for Ingress Protection failure during washdown or cleaning schedules.

Typical hazards & product considerations

- Chemicals
- · Ingress Protection
- Corrosion Chemicals and Wash down
- · Steam jets
- · Build up of Microbes and Bacteria









- Contamination
- Temperature
- Vibration
- Abrasion
- Continuous & Repeated Movement
- Explosive Gases











Industry Standards and Specifications include...







BSEN ISO9001 2015

EN 61373 Cat2

EN 1672-2







BS EN IEC 61386

EU Regulation 10/2011

EN ISO 14159



FLEXICEN

FLEXIBLE CONDUIT SOLUTIONS

Flexicon Limited (Head Office)

- A Roman Way, Coleshill, Birmingham, B46 1HG, United Kingdom
- UK +44 (0)1675 468650
- Export +44 (0)1675 468660
- Head Office +44 (0)1675 466900
- +44 (0)1675 466901
- flexiconsales@atkore.com
- www.flexicon.uk com

Flexicon Australia Pty Limited

- A 1/38 Binney Road, Kings Park, NSW 2148
- T National Sales Hotline: 1300 00 FLEX (3539)
- +61 (0)2 8884 3889
- E flexiconaustralia@atkore.com
- W www.flexiconaustralia.com



A PART OF ATKORE





A 960 Flaherty Drive, New Bedford

