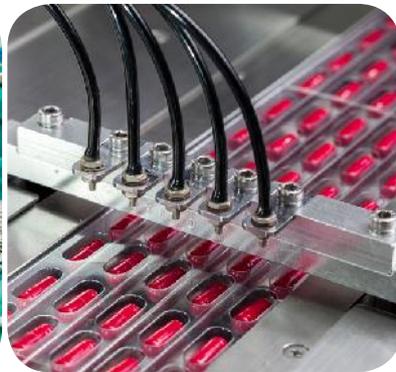


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**FLEXICON**  
FLEXIBLE CONDUIT SOLUTIONS

2016/17



hygienic product  
range brochure  
THE POWER IN CABLE PROTECTION





# Product Features & Benefits



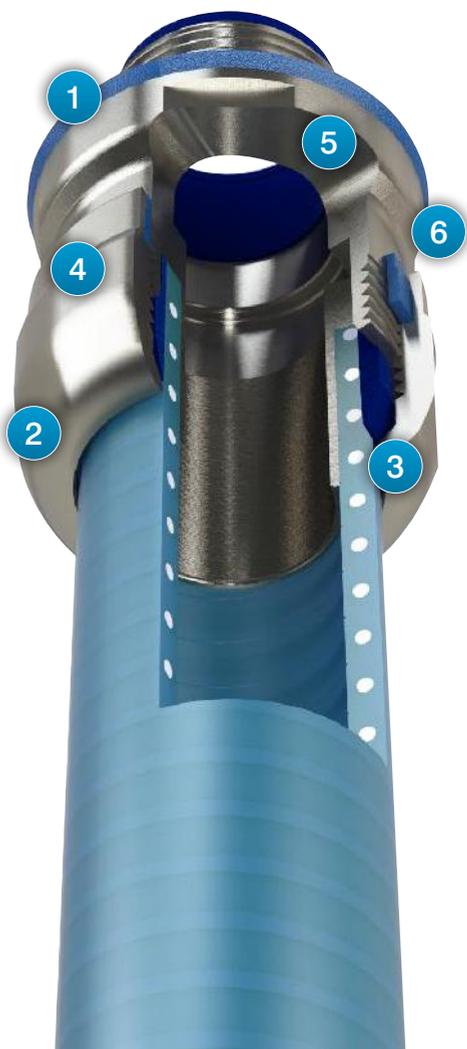
## Introducing Flexicon's new range of hygienic systems

This new range of Hygienic Flexible conduits offers a smooth, easy to clean surface. With the additional Stainless Steel hygienic fitting it creates a complete system ideal for food & beverage, machinery & OEMs, Healthcare and Pharmaceutical applications.

Request your sample today



### Features & Benefits



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



Open to reveal more about our hygienic range

# Why use **Flexible Conduit**



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.

## Industry Approvals Include . . .



BSEN ISO9001 2008

EN 61373 Cat2



BS EN IEC 61386

EN 1672-2



EU Regulation 10/2011

EN ISO 14159



# Conduit Selection

## Flexicon Hygienic System

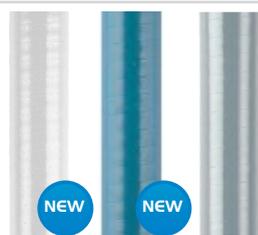
NEW

	LPC-FG	LTP-FG	LTBRDP-FG	LTPSS-FG
Material	uPVC Reinforced with PVC Jacket	Galvanised Steel Core with PVC Cover	Galvanised Steel Core & Inner Braid with PVC Cover	Stainless Steel Core with PVC Cover
Compression Strength (kg/100mm)	120	400	400	400
Tensile Strength (kg)	60	130	130	130
Temperature Range	-20°C to +90°C	-20°C to +105°C	-20°C to +105°C	-20°C to +105°C
Min Bend Radius (20mm Nom Size)	70	65	65	65
Halogen Free	No	No	No	No
Self Extinguishing	Yes	Yes	Yes	Yes
IP Rating	IP66, 67, 68 & 69	IP66, 67, 68 & 69	IP66, 67, 68 & 69	IP66, 67, 68 & 69
Provides EMC	No	No	Yes	No
Available Colours	● ● ●	● ●	● ●	●
BS EN IEC 61386	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes
ROHS	Yes	Yes	Yes	Yes
REACH	Yes	Yes	Yes	Yes
EU Regulation 10/2011	Yes	Yes	Yes	Yes
FDA Approved Ingredients	Yes	Yes	Yes	Yes

nominal size (mm)



**FCC-SS**



**LPC-FG**



**LTP-FG**



**LTBRDP-FG**



**LTPSS-FG**

part number

16	FCC16-SS	LPCWFG16	LPCBUEG16	LPCGFG16	LTPWFG16	LTPBUEG16	LTBRDPWFG16	LTBRDPBUEG16	LTPSSBUEG16
20	FCC20-SS	LPCWFG20	LPCBUEG20	LPCGFG20	LTPWFG20	LTPBUEG20	LTBRDPWFG20	LTBRDPBUEG20	LTPSSBUEG20
25	FCC25-SS	LPCWFG25	LPCBUEG25	LPCGFG25	LTPWFG25	LTPBUEG25	LTBRDPWFG25	LTBRDPBUEG25	LTPSSBUEG25
32	FCC32-SS	LPCWFG32	LPCBUEG32	LPCGFG32	LTPWFG32	LTPBUEG32	LTBRDPWFG32	LTBRDPBUEG32	LTPSSBUEG32
40	FCC40-SS	LPCWFG40	LPCBUEG40	LPCGFG40	LTPWFG40	LTPBUEG40	LTBRDPWFG40	LTBRDPBUEG40	LTPSSBUEG40
50	FCC50-SS	LPCWFG50	LPCBUEG50	LPCGFG50	LTPWFG50	LTPBUEG50	LTBRDPWFG50	LTBRDPBUEG50	LTPSSBUEG50
63	FCC63-SS	LPCWFG63	LPCBUEG63	LPCGFG63	LTPWFG63	LTPBUEG63	LTBRDPWFG63	LTBRDPBUEG63	LTPSSBUEG63



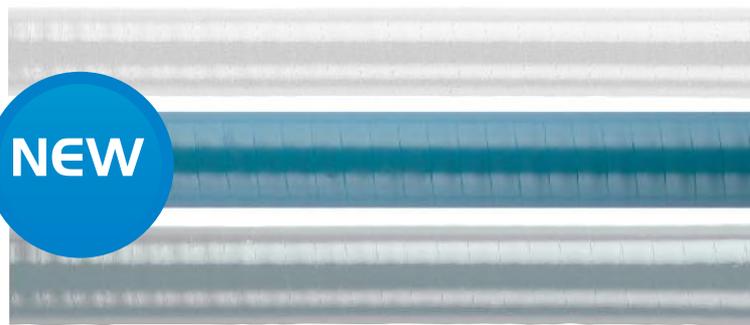
## LPC-FG conduit

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)	Conduit Part No. (For White)	Reel Length (m)	Fitting Part No.	Conduit Clip Part No.
16	12.6	17.8	LPCWFG16	30	LPC16-M16-C-FG	FCC16-SS
20	16.0	21.1	LPCWFG20	10, 30	LPC20-M20-C-FG	FCC20-SS
25	21.0	26.4	LPCWFG25	10, 30	LPC25-M25-C-FG	FCC25-SS
32	26.5	33.1	LPCWFG32	10, 30	LPC32-M32-C-FG	FCC32-SS
40	35.4	41.8	LPCWFG40	10, 30	LPC40-M40-C-FG	FCC40-SS
50	40.0	47.9	LPCWFG50	10, 30	LPC50-M50-C-FG	FCC50-SS
63	51.3	59.7	LPCWFG63	10, 30	LPC63-M63-C-FG	

Conduit Ordering Notes: Specify White, Blue or Grey (W=White, BU=Blue, G=Grey)  
eg: LPCBUFG32-30M for Blue 30m reel

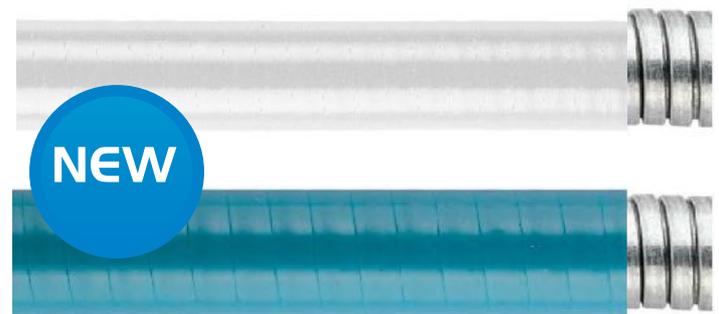
## LTP-FG conduit

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.



## 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.



Nominal size (mm)	ID (mm)	OD (mm)	Conduit Part No. (For White)	Reel Length (m)	Fitting Part No.	Conduit Clip Part No.
16	12.6	17.8	LTPWFG16	25	LTP16-M16-C-FG	FCC16-SS
20	16.0	21.1	LTPWFG20	10, 25	LTP20-M20-C-FG	FCC20-SS
25	21.0	26.4	LTPWFG25	10, 25	LTP25-M25-C-FG	FCC25-SS
32	26.5	33.1	LTPWFG32	10, 25	LTP32-M32-C-FG	FCC32-SS
40	35.4	41.8	LTPWFG40	10	LTP40-M40-C-FG	FCC40-SS
50	40.4	47.9	LTPWFG50	10	LTP50-M50-C-FG	FCC50-SS
63	51.6	59.7	LTPWFG63	10	LTP63-M63-C-FG	

Conduit Ordering Notes: Specify White or Blue (W=White, BU=Blue)  
eg: LTPBUFG32-25M for Blue 25m reel

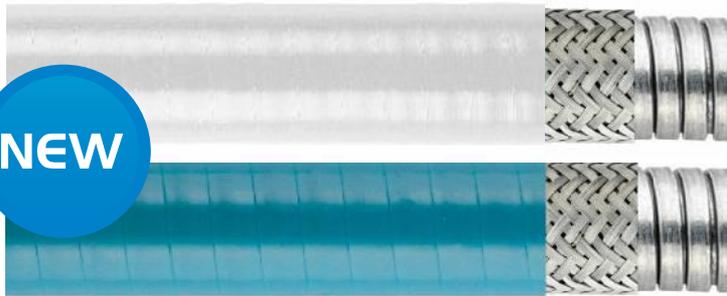
## LTBRDP-FG conduit

### 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.



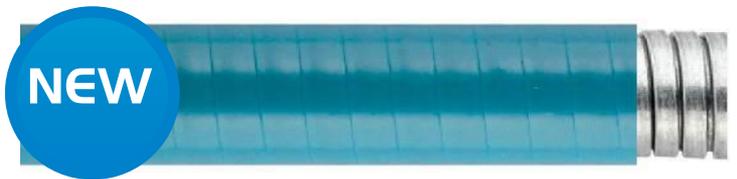
## LTPSS-FG conduit

### 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.



## 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.



Nominal size (mm)	ID (mm)	OD (mm)	Conduit Part No. (For White)	Reel Length (m)	Fitting Part No.	Conduit Clip Part No.
16	12.6	17.8	LTBRDPWFG16	25	LTP16-M16-C-FG	FCC16-SS
20	16.0	21.1	LTBRDPWFG20	10, 25	LTP20-M20-C-FG	FCC20-SS
25	21.0	26.4	LTBRDPWFG25	10, 25	LTP25-M25-C-FG	FCC25-SS
32	26.5	33.1	LTBRDPWFG32	10, 25	LTP32-M32-C-FG	FCC32-SS
40	35.4	41.8	LTBRDPWFG40	10	LTP40-M40-C-FG	FCC40-SS
50	40.4	47.9	LTBRDPWFG50	10	LTP50-M50-C-FG	FCC50-SS

## 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.



Nominal size (mm)	ID (mm)	OD (mm)	Conduit Part No.	Reel Length (m)	Fitting Part No.	Conduit Clip Part No.
16	12.6	17.8	LTPSSBUFG16	25	LTP16-M16-C-FG	FCC16-SS
20	16.0	21.1	LTPSSBUFG20	25	LTP20-M20-C-FG	FCC20-SS
25	21.0	26.4	LTPSSBUFG25	25	LTP25-M25-C-FG	FCC25-SS
32	26.5	33.1	LTPSSBUFG32	10	LTP32-M32-C-FG	FCC32-SS
40	35.4	41.8	LTPSSBUFG40	10	LTP40-M40-C-FG	FCC40-SS
50	40.4	47.9	LTPSSBUFG50	10	LTP50-M50-C-FG	FCC50-SS

## I-Pack

This new range of LPC-FG conduits offers a smooth, easy to clean surface making it ideal for food & beverage, machinery & OEMs, Healthcare and Pharmaceutical applications.

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

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



### 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

IP66	IP67	IP68 2 bar	IP69
------	------	---------------	------

#### I-PACKBUFG20

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



Blue Version

#### I-PACKWFG20

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



White Version

- Hygienic design
- Smooth finish
- High IP rating
- Corrosion resistant
- High chemical & thermal resistance
- Fewer components
- Self extinguishing
- Vibration & shock tested

### 25mm I-PACK

IP66	IP67	IP68 2 bar	IP69
------	------	---------------	------

#### I-PACKBUFG25

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



Blue Version

#### I-PACKWFG25

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



White Version

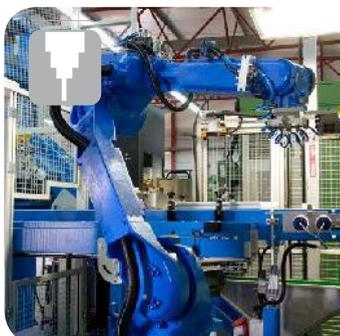
- Hygienic design
- Smooth finish
- High IP rating
- Corrosion resistant
- High chemical & thermal resistance
- Fewer components
- Self extinguishing
- Vibration & shock tested

## Applications

Typical Applications include . . .



Food Contact



Machinery and OEM's



Pharmaceutical



Health

# Flexicon a global presence with a local focus

LEADING THE WAY IN TODAY'S DEMANDING MARKETPLACE

- Excellence through engineering
- Progression through innovation
- Assurance through competence

The Flexicon Group is proud of its British Manufacturing heritage. Over 98% of our products are manufactured in our centre of excellence in Birmingham, UK. Continuous investment in our facilities, research and development and people have contributed to the Group's market leading position in Cable Protection Systems.

## Flexicon Offers;

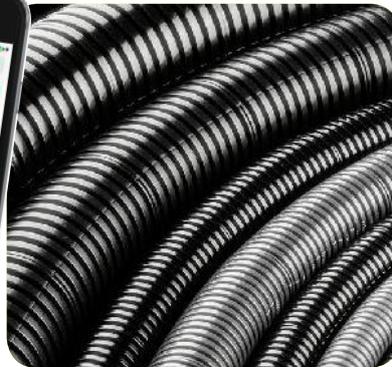
- Independently tested products that comply with and exceed relevant global standards
- User friendly solutions offering time saving innovations
- Precision engineered quality products from the global experts
- International Technical Support
- Custom made solutions capability - bespoke or made to order assemblies
- Global distribution serving our worldwide customer base
- Continuous product development and investment in products for the future

## flexiapp - find-a-conduit

Try our new smart phone app and find the perfect conduit for your requirements!



NEW



This brochure is only a snapshot of the full Flexicon range.



See our latest product guide for the widest choice - over 100 pages featuring over 4,000 products



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