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FLEXICON
FLEXIBLE CONDUIT SOLUTIONS



flexible conduit
solutions for
hazardous areas
THE POWER IN CABLE MANAGEMENT



Flexicon

Excellence & Innovation

Utilising the latest technologies in production and automation, our manufacturing expertise and efficiencies allow us to be competitive in today's Global marketplace.

With a comprehensive stock holding we strive to deliver service excellence to meet our customers demands faster, ensuring you can count on us.



Flexicon a global presence

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

Flexicon continues to invest in its UK based headquarters and manufacturing facilities, ensuring excellence, innovation and quality assurance are second to none. We design, develop and manufacture our products in Birmingham, United Kingdom.

Committed to exceeding customer expectations when it comes to cable protection, Flexicon continue to innovate in product development, supported by exceptional levels of service and support.

Flexicon, leading the way for cable protection in today's global marketplace.



- Independently tested products that comply with relevant global standards
- User friendly products offering time saving innovations
- Quality products from the global experts when it comes to flexible conduit solutions
- A true cable management solution whether it's standard products or bespoke made to order assemblies
- Global outlets serving the industry - products available in over 50 countries - worldwide availability
- Progressive and expanding product portfolio

Flexicon - for quality & assurance excellence

Our product offering has been developed and tested to the most demanding quality standards and has been awarded quality approvals and compliance worldwide.

We offer you peace of mind when it comes to your supply chain for flexible conduit and accessories. Are you confident your current solution has been independently tested and offers compliance to local and global standards?

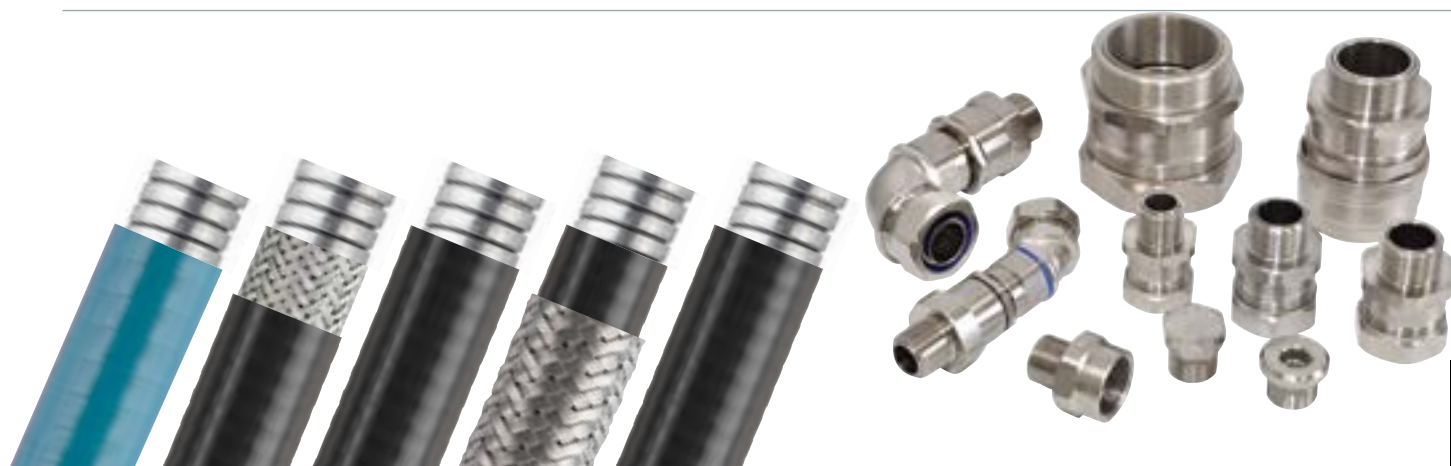


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Flexicon Hazardous Area Applications

Why use Conduit over Cable?

Routing of cables, both electrical and data in hazardous areas, can be a complex task requiring detailed planning.



In summary, using a Flexicon conduit system with a Flameproof Barrier Gland can provide the following benefits over cable:



- Simplified termination and greater enclosure integrity



- No need for specialist cables



- Flameproof integrity



- Reduced installation time - less terminations



- Can provide EMC screening (braided versions)



- Future proofing the installation - easier to upgrade



- Cable is mechanically protected



- No need for use of SWA cables

Ex d requirements insist that cable used in hazardous areas should be a considerably compact circular cable with extruded bedding and using fillers that are non-hygroscopic.

Further more, thought should be given to the volume of cable required and how it will be terminated. If numerous cables are to be terminated at the same point, the size of glanding panel may impact on the required control box enclosure size.

Using Flexicon conduit systems removes these issues as cables can be run through a protective conduit, allowing multi-cores to share the same space and so reduce the number of entry points required into the control box.

Calculating the cross-sectional area of the cables to be run through a single conduit will enable the correct specification and selection of conduit system required.

Hazardous Area Applications

As a progressive organisation, Flexicon are continually investing in new product development to ensure superior cable protection in safety critical and hazardous areas.

With a reputation for manufacturing innovation and excellence, Flexicon operate and are accredited to ISO9001 2008 British Standards and BS EN IEC 61386 Worldwide Standard for conduit systems.

Flexicon's EXD glands have been tested and accredited by SIRA to both ATEX and IECEx Ex d, Ex e and Ex ta applications and also have GOST approval.

Hazardous Area Approvals - now featuring Group 1 approvals

The following table provides further information and details on our ATEX, IECEx and GOST approvals for our straight EXD glands.

Group I	ATEX APPROVAL to EN60079-0 2009	Sira Certificate no:	Sira 10ATEX1172X	
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007	
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007	
	IECEx APPROVAL to IEC60079-0 2007	Sira Certificate no:	IECEx SIR 10.0094X	
	Ex d Flameproof	Ex d I Mb	IEC 60079-1 2007	
Group II	Ex e Increased Safety	Ex e I Mb	IEC 60079-7 2006-7	
	ATEX APPROVAL to EN60079-0 2009	Sira Certificate no:	Sira 10ATEX1172X	
	Ex d Flameproof	Ex d II C Gb	EN 60079-1 2007	
	Ex e Increased Safety	Ex e II C Gb	EN 60079-7 2007	
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008	
	IECEx APPROVAL to IEC60079-0 2007	Sira Certificate no:	IECEx SIR 10.0094X	
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007	
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7	
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008	
	GOST APPROVAL no.	POCC GB.HO06.B00207		

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Hazardous Area Classifications & Zones



Introduction

Hazardous Areas exist where a flammable mixture of gas and air, or dust and air, can exist in large enough quantities and for long enough periods to create a risk of explosion if an ignition source is present. Wherever possible it is important to minimise the risk of explosive mixtures forming and / or the risk of ignition. In the instances where this is impossible or impractical then means of providing a level of protection are required.

This guide will briefly explain how people and plant can be protected in hazardous areas. The guide is particularly focussed towards applications for the Flexicon EXD conduit gland and is not intended to be a full guide to hazardous areas. Users of this conduit gland should be fully qualified, competent and conversant with hazardous area requirements.

Flammable Mixtures & Ignition Sources

Flammable gases when mixed with air can be explosive. Gases are categorised into 3 groups with Group A being the least explosive and Group C being the most explosive. Equipment is also classified from T1 to T6 according to maximum allowed temperature of the equipment to prevent ignition of the gas/air mixture it is designed to work in.

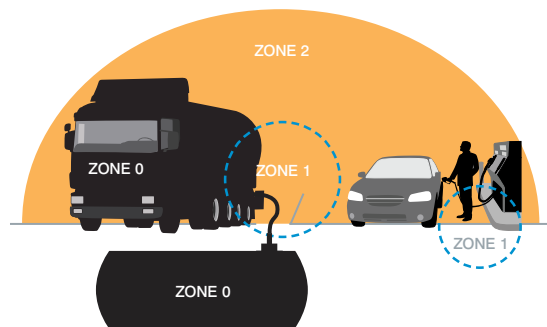
Certain fine dusts dispersed in air can also be explosive.

Ignition sources include: sparking due to static discharge, electrical arcs, lightning, hot engine exhaust, hot equipment and heat from chemical reactions.

Hazardous Area Zones

The level of risk in hazardous areas is defined by a zoning system.

- ZONE 0**
Zone 0
An area where an explosive gas atmosphere is present continuously or for long periods of time.
- ZONE 1**
Zone 1
An area where an explosive gas atmosphere may exist under normal operating conditions.
- ZONE 2**
Zone 2
An area where an explosive gas atmosphere is not likely to exist under normal operating conditions, but if it does it will exist only for a short period of time.



Combustible Dust Hazards

IEC 61241 - Electrical apparatus for use in the presence of combustible dust.

- ZONE 21**
Zone 21
An area, in which combustible dust, as a cloud, is occasionally present during normal operation, in sufficient quantity to be capable of producing an explosive concentration of combustible dust in a mixture with air.

- ZONE 22**
Zone 22
An area, in which combustible dust, as a cloud, may occur infrequently and persist for only a short period, or in which accumulations of layers of combustible dust may give rise to an explosive concentration of combustible dust in a mixture with air.

Flexicon's EXD barrier glands range can be used in Zone 1 and Zone 2 areas where Group A, B or C gases are present. As the gland does not add to the temperature of the enclosure, it does not have a temperature classification and so can be used with all temperature classes. Flexicon's EXD barrier glands can be used in Zone 21 and Zone 22 where explosive dust may be present.

Anti-Static Applications



Clause 7.4 of EN60079-0 refers to the avoidance of a build-up of electrostatic charge on Group I or Group II electrical equipment. Electrical equipment shall be so designed that under normal conditions of use, maintenance and cleaning, danger of ignition due to electrostatic charges shall be avoided. This requirement is satisfied by suitable selection of the material so that surface resistance complies with either of the limits given below when measured in accordance with 26.13;

$10^9\Omega$ measured at (50 ± 5) % relative humidity; or $10^{11}\Omega$ measured at (30 ± 5) % relative humidity.

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.

EXD Liquid Tight Fittings

IP66 IP67 IP68 IP69K



These fittings can be used with Liquid Tight Conduits

Liquid tight conduit range

NEW

AS
ANTI-STATIC

NEW

EXTRA
LOW FIRE
HAZARD
**

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

Whatever your application...



...we've got it covered!



Liquid Tight Fittings

IP66 IP67 IP68 IP69K



These fittings can be used with Liquid Tight Conduits

Liquid Tight Stainless Steel

IP66 IP67 IP68 IP69K



These fittings can be used with Liquid Tight Conduits

NEW

NEW

AS
ANTI-STATIC

NEW

ENHANCED
EMC
SCREEN
★★

NEW

ENHANCED
EMC
SCREEN
★★

EXTRA
LOW FIRE
HAZARD
★★

STANDARD
EMC
SCREEN
★

AS
ANTI-STATIC

	LTPPU/LTPPUAS	LTPSS	LTBRDP	LTBRDLFH	LTPBRD
	Galvanised Steel	Stainless Steel (316)	Galv Steel / Galv Steel Braid	Galv Steel / Galv Steel Braid	Galv Steel / TPE
	Polyurethane / Anti-Static PU	PVC	PVC	LFH Polyolefin	SS316 Overbraid
	10mm to 63mm	16mm to 50mm	20mm to 50mm	20mm to 32mm	16mm to 50mm
	-40°C....+80°C	-20°C....+105°C	-20°C....+105°C	-20°C....+90°C	-60°C....+150°C
	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) + IP69K	IP66 + IP67 + IP68 (5 bar) IP69K
	130kg	130kg	130kg	130kg	350kg
	400kg	400kg	400kg	400kg	400kg
	65mm	65mm	65mm	130mm	65mm
	Blue, Black	Black	Black	Black	Stainless Steel
	Yes	Yes	Yes	Yes	Yes
	Yes	Yes	Yes	Yes	Yes
	Self Extinguishing & Halogen Free	Self Extinguishing	Self Extinguishing	Extra Low Fire Hazard & Self Extinguishing	Self Extinguishing & Halogen Free
	Abrasion resistance	Corrosion resistance	EMC screened	EMC screening and LFH	Very arduous industrial environments
	Yes (LTPPUAS)	-	-	-	As standard
	-	-	-	London Underground	-

LTBRDLFH

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. 658
Halogen, Sulphur & Phosphorus free	



EMC Screening Performance

Flexicon has classified EMC screening as follows

STANDARD EMC SCREEN ★	ENHANCED EMC SCREEN ★★	SUPER EMC SCREEN ★★★
Standard 50dB @ 1MHz	Enhanced 60dB @ 1MHz	Super 70dB @ 1MHz

EMC screening performance charts are available on request. Contact Flexicon for further information.



Anti-Static Performance

Clause 7.4.2 of EN60079-0 refers to the avoidance of a build-up of electrostatic charge on Group I or Group II electrical equipment. Where necessary, Flexicon's AS ranges of products have been tested to and comply with this clause.

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	1	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 1/4	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 1/2	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 3/4	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

Flexicon Liquid Tight Conduit Stainless Steel & Galvanised



LTPSS system

Stainless Steel
Core, PVC Coated
Liquid Tight

LTPBRD system

Galv Steel Core,
Thermoplastic Elastomer
(TPE) Coated and
Stainless Steel Overbraid



LTBRDP system

Galv Steel Core, Galv
Steel Braid, PVC Coated
Liquid Tight



LTBRDLFH system

Galv Steel Core, Galv
Steel Braid, LFH
Coated Liquid Tight



Conduit

LTPSS

Construction: Stainless steel (316), helically wound, flexible conduit with oil resistant and high temperature pvc smooth cover. Colour black.

Special Characteristics: Enhanced corrosion resistance performance.

LTPBRD

Construction: Galvanised steel, helically wound, flexible conduit with thermoplastic elastomer (TPE) cover (same as LTPHC) and stainless steel (grade-316) overbraid.

Special Characteristics: EMC screening, anti-static performance.

LTBRDP

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

Special Characteristics: Good flexibility and EMC screening.

LTBRDLFH

Construction: Galvanised steel, helically wound, flexible conduit with galvanised steel braid and smooth LFH cover. Colour black.

Special Characteristics: EMC screening and Extra Low Fire Hazard Performance.

Properties

- High mechanical strength
- Good flexibility (LTPSS, LTPBRD, LTBRDP)
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69K
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils and greases
- Temperature range:
 - 20°C to +105°C (LTPSS & LTBRDP)
 - 20°C to +90°C (LTBRDLFH)
 - 60°C to +150°C (LTPBRD)
- Vibration and shock tested to EN61373 Cat 2
- Provides EMC screening (LTBRDP, LTBRDLFH, LTPBRD)
- Compliant to LUL Std 1-085-A3 (LTBRDLFH)
- LTPBRD offers inherent Anti-Static performance properties

Technical Drawing



LTPSS



LTPBRD



LTBRDP & LTBRDLFH

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTPSS part number	reel length (m)	min inside bend radius (mm)	LTPBRD part number	reel length (m)	min inside bend radius (mm)	LTBRDP part number	reel length (m)	min inside bend radius (mm)	LTBRDLFH part number	reel length (m)	min inside bend radius (mm)
10															
12															
16	3/8	17.8	12.6	LTPSS16	25	45	LTPBRD16B	25	45						
20	1/2	21.1	16.0	LTPSS20	25	65	LTPBRD20B	25	65	LTBRDP20B	25	65	LTBRDLFH20B	25	130
25	3/4	26.4	21.0	LTPSS25	25	100	LTPBRD25B	25	100	LTBRDP25B	25	100	LTBRDLFH25B	25	200
32	1	33.1	26.5	LTPSS32	10	135	LTPBRD32B	25	120	LTBRDP32B	25	120	LTBRDLFH32B	25	270
40	1 1/4	41.8	35.4	LTPSS40	10	175	LTPBRD40B	10	140	LTBRDP40B	10	140			
50	1 1/2	47.9	40.4	LTPSS50	10	230	LTPBRD50B	10	180	LTBRDP50B	10	180			

+ 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



EXD Conduit Glands

Flameproof EXD Barrier Gland

Hazardous Area Liquid Tight Conduit Solutions

NEW



Properties

- IP Rating: IP66 + IP67 + IP68 (5bar) + IP69K
- Material: Nickel Plated Brass or Stainless Steel (316)
- Suitable for threaded entries
- Operating Temperature of gland -60°C to +85°C
- High mechanical strength
- Can be used with individual cores or oversheathed cable
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)

Standards



BS EN IEC 61386



Hazardous Area Approvals

Group I	ATEX APPROVAL to EN60079-0 2009			Sira Certificate no:	Sira 10ATEX1172X	
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007			
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007			
	IECEx APPROVAL to IEC60079-0 2007			Sira Certificate no:	IECEx SIR 10.0094X	
Group II	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007			
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7			
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008			
	IECEx APPROVAL to IEC60079-0 2007			Sira Certificate no:	IECEx SIR 10.0094X	
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007			
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7			
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008			
	GOST APPROVAL no.			POCC GB.HO06.B00207		

LTP - EXD

Construction: Nickel Plated Brass fitting with a nylon seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

Typical Applications: Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications. IP rating: IP66 + IP67 + IP68(5bar) + IP69K



LTP - EXD - SS

Construction: Stainless steel (grade 316) fitting with a nylon seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

Typical Applications: Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications where additional corrosion resistance is required. IP rating: IP66 + IP67 + IP68(5bar) + IP69K



To fit nominal size (mm)	metric thread part number	NPT thread part number
16	LTP16-M20-EXD	LTP16-050-EXD
20	LTP20-M20-EXD	LTP20-050-EXD
25	LTP25-M25-EXD	LTP25-075-EXD
32	LTP32-M32-EXD	LTP32-100-EXD
40	LTP40-M40-EXD	LTP40-125-EXD
50	LTP50-M50-EXD	LTP50-150-EXD
63	LTP63-M63-EXD	LTP63-200-EXD

To fit nominal size (mm)	metric thread part number	NPT thread part number
16	LTP20-M20-EXD-SS	LTP20-050-EXD-SS
20	LTP25-M25-EXD-SS	LTP25-075-EXD-SS
25	LTP32-M32-EXD-SS	LTP32-100-EXD-SS
32	LTP40-M40-EXD-SS	LTP40-125-EXD-SS
40	LTP50-M50-EXD-SS	LTP50-150-EXD-SS
50	LTP63-M63-EXD-SS	LTP63-200-EXD-SS

USED WITH THE FOLLOWING CONDUITS:- as featured on pages 08 & 09



LTP / LTPAS

LTPHC

LTPLFH

LTPPU / LTPPUAS

LTPSS

NEW

AS
ANTI-STATIC

NEW

EXTRA
LOW FIRE
HAZARD
★★

NEW

AS
ANTI-STATIC

NEW



Properties

- IP Rating: IP66 + IP67 + IP68 (5 Bar)
- Material: Nickel Plated Brass
- Suitable for threaded entries
- Operating Temperature of gland -60°C to +85°C
- High mechanical strength
- Can be used with individual cores or oversheathed cable
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)

Hazardous Area Approvals

ATEX APPROVAL to EN60079-0 2006		Sira Certificate no: SIRA 13ATEX1072X	
Ex d Flameproof	Ex d II C Gb		
Ex e Increased Safety	Ex e II C Gb		
Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X		
IECEx APPROVAL to IEC60079-0 2004		Sira Certificate no: IEC Ex SIR13.0027X	
Ex d Flameproof	Ex d II C Gb		
Ex e Increased Safety	Ex e II C Gb		
Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X		
GOST APPROVAL no.		POCC GB.HO06.B00207	

LTP-EXD-90

NEW IP66 IP67 IP68

Construction: 90° elbow, Nickel Plated Brass fitting with a nylon seal and two part epoxy resin pack. Supplied in boxes of one complete with instructions and gloves.

Typical Applications: Flameproof barrier gland ideal for use when there is restricted space to terminate into an enclosure / equipment. IP rating: IP66 + IP67 + IP68 (5 bar)



LTP-EXD-45

NEW IP66 IP67 IP68

Construction: 45° elbow, Nickel Plated Brass fitting with a nylon seal and two part epoxy resin pack. Supplied in boxes of one complete with instructions and gloves.

Typical Applications: Flameproof barrier gland ideal for use when there is restricted space to terminate into an enclosure / equipment. IP rating: IP66 + IP67 + IP68 (5 bar)



To fit nominal size (mm)	metric thread part number
16	LTP16-M20-EXD-90
20	LTP20-M20-EXD-90
25	LTP25-M25-EXD-90
32	LTP32-M32-EXD-90
40	LTP40-M40-EXD-90
50	LTP50-M50-EXD-90
63	LTP63-M63-EXD-90

To fit nominal size (mm)	metric thread part number
16	LTP16-M20-EXD-45
20	LTP20-M20-EXD-45
25	LTP25-M25-EXD-45
32	LTP32-M32-EXD-45
40	LTP40-M40-EXD-45
50	LTP50-M50-EXD-45
63	LTP63-M63-EXD-45

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.

WEBSITE



Checkout our website for further details on how to use our products.
www.flexicon.uk.com



LTPUL

LTBRDP

LTBRDLFH

NEW

ENHANCED
EMC
SCREEN
**

NEW

ENHANCED
EMC
SCREEN
**



EXTRA
LOW FIRE
HAZARD
**

Hazardous area liquid tight conduit solutions

EXE - Increased Safety and Dust Ignition Proof properties

- IP Rating: IP66 for EX e and EX t applications
- IP Rating: IP67 + IP68 (5 bar) + IP69 for industrial applications
- Material: Nickel Plated Brass
- Suitable for knockouts or threaded entries
- Operating Temperature of fitting -20°C to +85°C for EX e and EX t applications
- High mechanical strength and electrical continuity
- Operating Temperature of fitting -50°C to +135°C for industrial applications
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex t (Dust Ignition Protection)
- Vibration and shock resistant to EN61373 Cat 2

Hazardous Area Approvals

Group II	ATEX APPROVAL to EN60079-0 2009			Intertek Certificate no: ITS 14ATEX379584		
	Ex e Increased Safety	Ex e II Gb	EN 60079-7 2007			
	Ex tb Dust Ignition Proof	Ex tb III C DA IP6X	EN 60079-31 2009			
	IECEx APPROVAL to IEC80079-0 2007			Intertek Certificate no: IECEx ITS 14.005U		
	Ex e Increased Safety	Ex e II Gb	IEC 60079-7 2006			
	Ex tb Dust Ignition Proof	Ex tb III C DA IP6X	IEC 60079-31 2008			



Offering Ex e (Increased Safety) and Ex t (Dust Ignition Protection) performance with any Liquid Tight Conduits

LTP - EXE

NEW

external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66

To fit
nominal size (mm)metric thread
part number

PG thread

NPT thread
part number

16	LTP16-M16-EXE	LTP16-PG11-EXE	LTP16-050-EXE	(½")
16	LTP16-M20-EXE	LTP16-PG13-EXE		
20	LTP20-M20-EXE	LTP20-PG16-EXE	LTP20-050-EXE	(½")
25	LTP25-M40-EXE	LTP25-PG21-EXE	LTP25-075-EXE	(¾")
32	LTP32-M32-EXE	LTP32-PG29-EXE	LTP32-100-EXE	(1")
40	LTP40-M40-EXE	LTP40-PG36-EXE	LTP40-125-EXE	(1¼")
50	LTP50-M50-EXE	LTP50-PG42-EXE	LTP50-150-EXE	(1½")
63	LTP63-M63-EXE	LTP63-PG48-EXE	LTP63-200-EXE	(2")

LTP - EXE - 90

NEW

external thread nickel plated brass

90° multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66

metric thread
part number

LTP16-M16-EXE-90
LTP16-M20-EXE-90
LTP20-M20-EXE-90
LTP25-M25-EXE-90
LTP32-M32-EXE-90
LTP40-M40-EXE-90
LTP50-M50-EXE-90
LTP63-M63-EXE-90

LTP - EXE - 45

NEW

external thread nickel plated brass

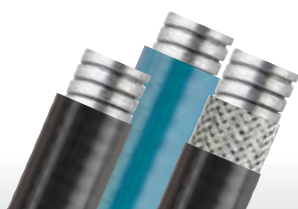
45° multipart compression fitting including elastomeric seal. Can be used for knockout.

IP66

metric thread
part number

LTP16-M16-EXE-45
LTP16-M20-EXE-45
LTP20-M20-EXE-45
LTP25-M25-EXE-45
LTP32-M32-EXE-45
LTP40-M40-EXE-45
LTP50-M50-EXE-45
LTP63-M63-EXE-45

Used with



LTPAS LTPPU LTBDFH

or any of the LTP conduit types, see page 64

Standards

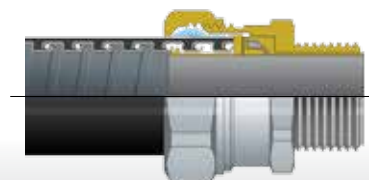
BS EN IEC 61386



0359



Technical Drawing



LTP - EXE

EXD Braided Conduit Glands

Flameproof EXD Barrier Gland

NEW



Properties

- IP Rating: IP66 + IP67 + IP68 (5bar) + IP69K
- Material: Nickel Plated Brass
- Suitable for threaded entries
- Operating Temperature of gland -60°C to +85°C
- High mechanical strength
- Can be used with individual cores or oversheathed cable
- Used with overbraided conduit system LTPBRD to achieve EMC screening
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)

Standards



BS EN IEC 61386



Hazardous Area Approvals

Group I	ATEX APPROVAL to EN60079-0 2009		Sira Certificate no:	Sira 10ATEX1172X	
	Ex d Flameproof	Ex d I Mb		EN 60079-1 2007	
	Ex e Increased Safety	Ex e I Mb		EN 60079-7 2007	
	IECEx APPROVAL to IEC60079-0 2007		Sira Certificate no:	IECEx SIR 10.0094X	
Group II	Ex d Flameproof	Ex d I Mb		IEC 60079-1 2007	
	Ex e Increased Safety	Ex e I Mb		IEC 60079-7 2006-7	
	ATEX APPROVAL to EN60079-0 2009		Sira Certificate no:	Sira 10ATEX1172X	
	Ex d Flameproof	Ex d II C Gb		EN 60079-1 2007	
Group II	Ex e Increased Safety	Ex e II C Gb		EN 60079-7 2007	
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X		IEC 60079-31 2008	
	IECEx APPROVAL to IEC60079-0 2007		Sira Certificate no:	IECEx SIR 10.0094X	
	Ex d Flameproof	Ex d II C Gb		IEC 60079-1 2007	
Group II	Ex e Increased Safety	Ex e II C Gb		IEC 60079-7 2006-7	
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X		IEC 60079-31 2008	
	GOST APPROVAL no.		POCC GB.HO06.B00207		

LTPB - EXD

IP66 IP67 IP68 IP69K

Construction: Nickel Plated Brass fitting with a nylon seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

Typical Applications: Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications. For use with external braided conduit systems where high mechanical protection and / or emc screening is required. IP rating: IP66 + IP67 + IP68(5bar) + IP69K



To fit nominal size (mm)

20
25
32
40
50

metric thread part number

LTPB20-M20-EXD
LTPB25-M25-EXD
LTPB32-M32-EXD
LTPB40-M40-EXD
LTPB50-M50-EXD

NPT thread part number

LTPB20-050-EXD
LTPB25-075-EXD
LTPB32-100-EXD
LTPB40-125-EXD
LTPB50-150-EXD

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.

USED WITH THE FOLLOWING CONDUITS:-
as featured on page 09



LTPBRD

Technical Drawing



LTPB - EXD



Flexicon

EXD Accessories Range





NEW



With a comprehensive range of EXD accessories we can offer customers choice when it comes to specifying hazardous area approved equipment. Our products are manufactured in the UK and have been tested to the latest ATEX & IECEx standards. The standards are marked on the body of the product allowing visibility once installed.

Our range of thread converters are designed for both Industrial and Hazardous Area applications with Ex "d", Ex "e" and Ex "ta" component approval.

Available with male to female connection threads these products can be used to increase, reduce or convert the thread type.

Technical Data	
Design Specification	EN 50262:1989, BS 6121:Part 1:1989
ATEX Certification Detail	SIRA01ATEX1284U, SIRA02ATEX1003X
ATEX Code of Protection Category	ATEX  II 2 GD Ex d IIC & Ex e II - Component & Equipment, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC, ATEX IM2 Ex d I, Ex e I 
ATEX Compliance Standards	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 50281-1-1:1998
IEC Ex Certification Detail	IEC Ex SIR07.0052X
IEC Ex Code of Protection Category	Ex d I, Ex e I, Ex d IIC, Ex e II, Ex tD A21 IP6X  
IEC Ex Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07, IEC 61241-0:2004, IEC 61241-1:2004
Continuous Operating Temperature	-60°C to +200°C
Ingress Protection Rating	Up to IP68 when fitted with a suitable Sealing Washer
Materials	Nickel Plated Brass
Optional Accessories	Locknut, Serrated Washer, Earth Tag, Sealing Washer. See Page 15

Thread Converters

NEW



Our thread converters are Nickel Plated Brass as standard.

Internal Metric to External Metric

Male Thread - External	M16	M20	M25	M32	M40	M50
M16		B-M16-M20-EXD				
M20	B-M20-M16-EXD		B-M20-M25-EXD			
M25		B-M25-M20-EXD		B-M25-M32-EXD		
M32			B-M32-M25-EXD		B-M32-M40-EXD	
M40				B-M40-M32-EXD		
M50				B-M50-M32-EXD	B-M50-M40-EXD	
M63					B-M63-M40-EXD	B-M63-M50-EXD

Internal Metric to External NPT

Male Thread - External	M16	M20	M25	M32	M40	M50
1/2"		B-050-M20-EXD				
3/4"		B-075-M20-EXD	B-075-M25-EXD			
1"				B-100-M32-EXD		

To obtain Adaptor & Reducer nominal dimensions, follow the steps below:-

Step 1 - Select male thread by consulting the left hand column of the table.

Step 2 - Select the female thread size by consulting column headings at the top of tables, and by cross referencing this with the selection in step 1.

Please note that the data in the tables above includes Adaptors and Reducers that are certified for use in Hazardous Areas.

Flexicon





EXD Accessories Range

NEW

Designed to provide a permanent or temporary means of blanking unused cable entry holes in Flameproof enclosures enabling the equipment to be safely deployed in the Hazardous Area. Always inserted from the outside of the enclosure, we have a range of stopping plug options depending on the required installation method.





Allen Key

The Allen key stopping plugs can be installed or removed using an allen key. We offer standard stopping plugs or Dome Head type allen key stopping plugs.

Technical Data - Standard & Dome Head	
Design Specification	BS 6121:Part 1:1989, EN 50262:1999
ATEX Certification Detail	SIRA01ATEX1284U, SIRA02ATEX1003X
ATEX Code of Protection Category	ATEX  IM2 Ex d I, Ex e I; ATEX  II 2 Ex d IIC, Ex e II 
ATEX Compliance Standards	EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1
IEC Ex Certification Detail	IEC Ex SIR07.0056X
IEC Ex Code of Protection Category	Ex d I, Ex e I, Ex d IIC, Ex e II, Ex tD A21 IP6X 
IEC Ex Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07, IEC 61241-0:2004, IEC 61241-1:2004
Continuous Operating Temperature	-60°C to + 200°C
Ingress Protection Rating	IP66
Materials	Nickel Plated Brass
Optional Accessories	Locknut, Serrated Washer, Earth Tag, Sealing Washer. See Page 15

Hex Head

The Hex head stopping plugs can be installed or removed with a standard open ended or ring type spanner or wrench.

Technical Data - Hex Head	
ATEX Certification Detail	SIRA01ATEX1284U, SIRA02ATEX1003X
ATEX Code of Protection Category	ATEX  II 2 GD Ex d IIC & Ex e II - Component & Equipment, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC, ATEX  IM2 Ex d I, Ex e I 
ATEX Compliance Standards	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 50281-1-1:1998
IEC Ex Certification Detail	IEC Ex SIR07.0056X
IEC Ex Code of Protection Category	Ex d I / Ex e I / Ex d IIC / Ex e II, Ex tD A21 IP6X 
IEC Ex Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07, IEC 61241-0:2004, IEC 61241-1:2004
Continuous Operating Temperature	-60°C to +200°C
Ingress Protection Rating	Up to IP68 when fitted with suitable Sealing Washer
Materials	Nickel Plated Brass
Optional Accessories	Locknut, Serrated Washer, Earth Tag, Sealing Washer. See Page 15

Stopping Plugs

NEW

Our stopping plugs are Nickel Plated Brass as standard.



Size Range	Standard	Dome Head	Hex Head
M16	B-M16-SP-EXD	B-M16-DSP-EXD	B-M16-HSP-EXD
M20	B-M20-SP-EXD	B-M20-DSP-EXD	B-M20-HSP-EXD
M25	B-M25-SP-EXD	B-M25-DSP-EXD	B-M25-HSP-EXD
M32	B-M32-SP-EXD	B-M32-DSP-EXD	B-M32-HSP-EXD
M40	B-M40-SP-EXD	B-M40-DSP-EXD	B-M40-HSP-EXD
M50	B-M50-SP-EXD	B-M50-DSP-EXD	B-M50-HSP-EXD
M63	B-M63-SP-EXD	B-M63-DSP-EXD	B-M63-HSP-EXD



Nickel plated brass, plated steel, stainless steel



stainless steel
part number

* indicates parts made to order on request and may be subject to MOQ and lead time

Note: LFH liner available on request



part number

Polyester Elastomer (PE), Neoprene and fibre face sealing washers



2PG thread
part number

Earth tag washer



metric thread

15

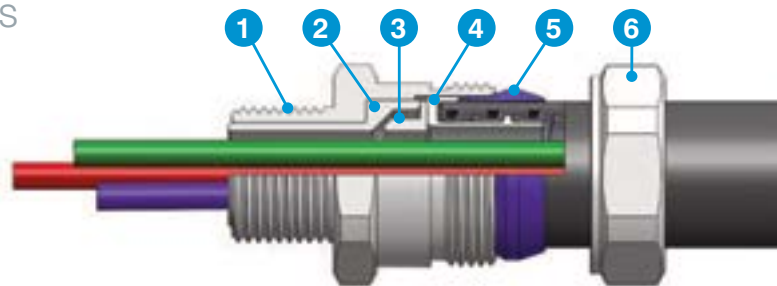
Flexicon EXD Conduit Gland Installation Guide & Instructions



Barrier cable gland for use in hazardous areas with unarmoured cable or individual cores housed in Flexicon flexible conduit. Incorporating EC declaration of conformity to directive 94/9/EC.

Conduit Gland Components

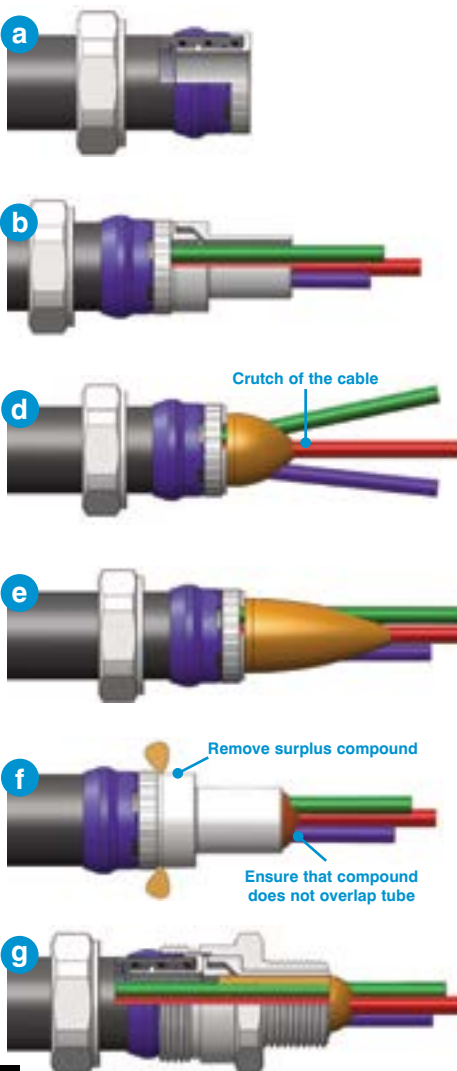
1. Entry Thread
2. Compound Tube
3. Washer
4. Conduit Insert
5. Conduit Seal
6. Compression Nut



NOTE: For LTPB-EXD and LTP-EXD-90 & 45 installation instructions visit our website for further information.

Installation instructions for Flexicon conduit gland type EXD

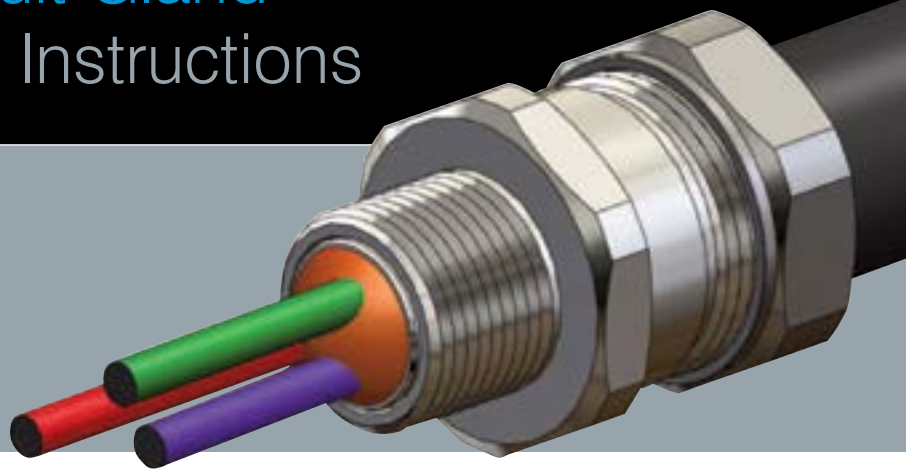
Please read all instructions carefully before beginning the installation



- Disconnect the Compression Nut (6) and remove the Conduit Seal (5) and Conduit Insert (4) from the gland. Slide the nut over the conduit, followed by the conduit seal (orientated as shown below) and screw the conduit insert into place.
- Remove the Compound Tube (2), and Washer (3) as an assembly from the Entry Item (1). Feed the prepared cable/cable cores through the flexible conduit and through the compound tube/washer assembly.
- Remove the compound tube. If the installation involves a cable, remove any bedding or fillers from around the cable cores. If the cable cores have screens, these should be unravell'd and then twisted together to form a single core. Wearing the protective gloves supplied, mix all of the two-part epoxy compound (EP2122) until it is pliable and an even colour is achieved. The minimum temperature when mixing is 10°C. Ensure compound is within use-by date.
- Separate the cable cores and apply the compound to the crutch of the cable for a distance of about 6mm and pack into place. If a drain wire is present then it should be sleeved with some heat shrink tubing which is pushed into the compound before shrinking with the application of some heat. Screens that have been twisted together should be treated as a drain wire.
- Bring the cores together again and pack more compound around them to a length and diameter sufficient to fill the compound tube, ending in a taper.
- Pass the Compound Tube (2) over the conductors until the stepped end is fully located with the Washer (3). Pack more compound into place until the compound tube is fully filled.
- Re-install the conduit assembly into the entry item making sure the compound is not disturbed and loosely tighten the Compression Nut (6) onto the Entry Item (1). When the compound has cured the entry item should be removed from the assembly and fitted to the apparatus. The gland can then be refitted into it and the Compression Nut (6) finally tightened. Typical cure times are shown opposite.

Flexicon EXD Conduit Gland Installation Guide & Instructions

Technical data and specification.



Technical Data

CONDUIT GLAND TYPE :	EXD
INGRESS PROTECTION :	IP66, IP67, IP68 (5 Bar) & IP69K
PROCESS CONTROL SYSTEM :	BS EN ISO 9001

Hazardous Area Approvals

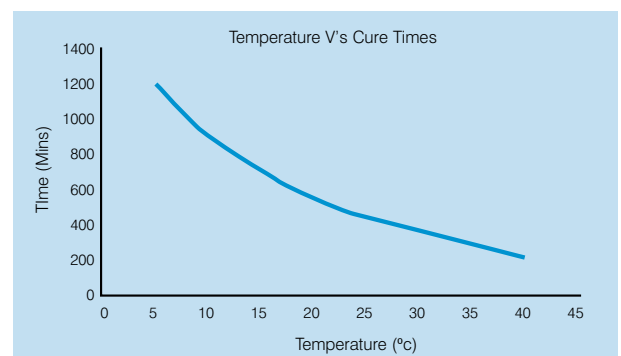
Group I	ATEX APPROVAL to EN60079-0 2009	Sira Certificate no:	Sira 10ATEX1172X	
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007	
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007	
	IECEx APPROVAL to IEC60079-0 2007	Sira Certificate no:	IECEx SIR 10.0094X	
Group II	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007	
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7	
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008	
	IECEx APPROVAL to IEC60079-0 2007	Sira Certificate no:	IECEx SIR 10.0094X	
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2007	
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7	
	Ex ta Dust Ignition Proof	Ex ta IIIC DA IP6X	IEC 60079-31 2008	
	GOST APPROVAL no.	POCC GB.HO06.B00207		

Installation Instructions

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

Special Conditions For Safe Use

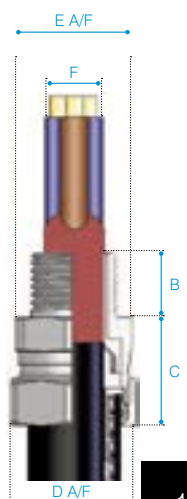
- The conduit gland ranges shall only be used where the temperature, at the point of entry, is in the following ranges:
-60°C to +85°C.
- The entry component threads may need additional sealing to maintain the ingress protection ratings as applicable to the associated equipment to which it is attached. See pages 9, 10 & 11 for accessory details.



Cable Gland Selection Table

Liquid Tight Conduit Size (mm)	Available Entry Threads 'A'		Minimum Thread Length 'B'	Diameter Over Conductors 'F'	Number of Cores	Across Flats 'E'	Across Corners 'D'	Nominal Protrusion Length 'C'	Part No.	Cable Gland Weight (Kgs)
	Standard	Option								
	Metric	NPT								
16	M20	½"	15.0	10.7	11	30.0	29.0	32.0	LTP16-M20-EXD	0.100
20	M20	½"	15.0	12.6	11	30.0	29.0	32.0	LTP20-M20-EXD	0.100
25	M25	¾"	15.0	17.5	21	36.0	35.0	35.0	LTP25-M25-EXD	0.250
32	M32	1"	15.0	23.6	38	46.0	42.0	37.0	LTP32-M32-EXD	0.460
40	M40	1¼"	15.0	30.0	59	52.0	52.0	38.0	LTP40-M40-EXD	0.615
50	M50	1½"	15.0	36.6	89	60.0	58.0	40.0	LTP50-M50-EXD	0.700
63	M63	2"	15.0	47.9	115	70.0	70.0	40.0	LTP63-M63-EXD	0.820
All dimensions in millimetres (unless otherwise stated)										

All dimensions in millimetres (unless otherwise stated)

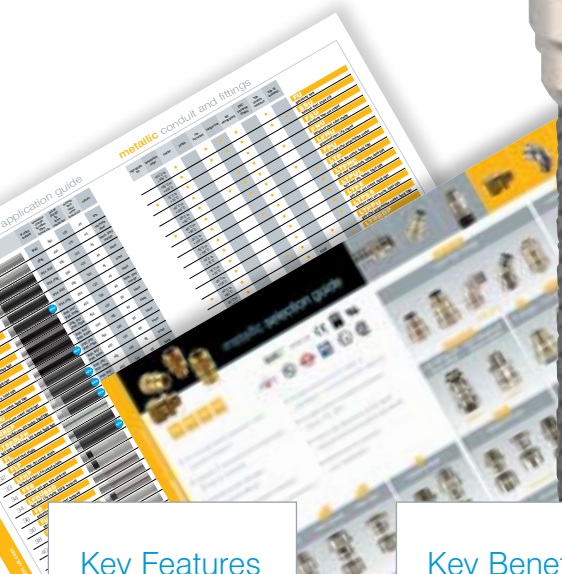


Flexicon

Non Hazardous Area Products

metallic conduit & fittings

With over 29 different metal conduit systems to select from there is sure to be a system to meet your application. Choose from conduit systems ranging from 10mm to 75mm in size, manufactured in galvanised steel or stainless steel and with or without a range of coverings/overbraiding.



Key Features

- High compression strength
- High pull off strength
- Wide temperature tolerances
- High impact strength
- EMC screening performance
- High IP rating - up to IP69K

Key Benefits

- Suitable for a range of applications including heavy duty
- Maintains integrity of the system in extreme applications
- Suitable for a diverse range of operating environments
- Can withstand impact forces such as falling objects
- Protection against electromagnetic interference
- No risk of water or dust ingress

non-metallic conduit & fittings

With over 21 different non metallic conduit systems to choose from we are sure to have a system to meet your application. Systems are available in a wide variety of sizes, ranging from 10mm up to 106mm, manufactured from a range of materials offering different properties.



See our latest product guide for our up-to-date products and solutions

Key Features

- Wide range of sizes
- Light weight
- Easy to cut
- High fatigue life
- Superior IP ratings - up to IP69K
- Slit versions available
- Non corrosive
- Highly flexible

Key Benefits

- Suitable for a wide range of applications
- Easy to work with for ease of installation
- Reduced installation times
- Reduced whole life costs
- No risk of water or dust ingress
- Suitable for retrofit applications
- Suitable for diverse environments
- Movement without any impact on performance



Flexicon

Make it simple!



Flexicon are all about innovation, not only in our products, but also in the ways that we deliver product information to our customers.



www.flexicon.uk.com

Our website now features a new and improved selection process that guides our users through to an informed selection. In addition to adding a new part number search facility, we have created an intuitive Product Selector tool that pinpoints exacting data to ensure selection criteria is met. Visit www.flexicon.uk.com - selecting Flexicon product has never been easier.



NEW

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