

FLEXICON FLEXIBLE CONDUIT & ACCESSORIES



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Working with FLEXICON

Faster, accurate specifying makes your job easier every time!

We know how important speed and efficiency are to a cost effective business. When you choose Flexicon you'll save time finding the right product to meet the application exactly. Multi-purpose systems will make holding stock simpler. User-friendly fittings and quality manufacturing mean Flexicon systems help you to complete the job faster.

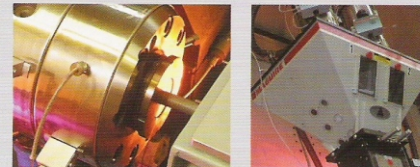
Cut through the conduit confusion with Flexicon



State-of-the-art manufacturing and world class quality from FLEXICON

Since the new look Flexicon took the trade by storm, no less than 600 new lines have been launched - most of them manufactured in-house at Flexicon's advanced new production centre.

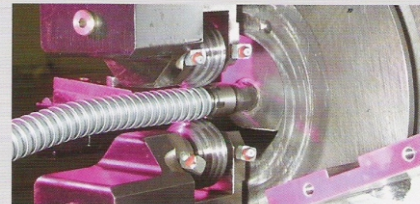
It is here that the best minds in the business and some heavyweight investment have achieved results: better products, better service and better value - and there's always more to come!



NEW LFH range

Expanded FPA system

More Contractor Packs



High technology tooling and automated production enables Flexicon to meet demand for a brilliant range of products. As well as metallic systems, advanced engineered plastics offer comparable compression strength and greater flexibility

Quality Standards and Approvals

Flexicon products are tested to the most demanding quality standards and have been awarded quality approvals worldwide, including ISO 9001: 2000.

Designed to give you **more choice** and **more cost efficiency!**



CONDUIT APPLICATION GUIDE

metallic
conduit
and
fittings

non-
metallic
conduit
and
fittings

conduit system		IP rating available	compression strength kg/100mm 20mm size	pull-off strength kg 20mm size	high fatigue life	temperature range	flexible	pliable	low fire hazard	halogen free	self extinguishing	EMC screening	high abrasion resistance	high UV resistance - black
type FU galvanised steel		IP40	350	120		-50°C to +300°C	●		●	●	●		●	
type SSU stainless steel, grade 316		IP40	400	170		-50°C to +300°C	●		●	●	●		●	
type FSU galvanised steel, pvc coated		IP54, IP65	350	120	●	-15°C to +70°C	●		●	●	●		●	
type FNU galvanised steel, thermoplastic coated		IP54, IP65	350	120		-40°C to +120°C	●		●	●	●		●	
type LFHU galvanised steel, LFH coated		IP54, IP65	350	120		-25°C to +90°C	●		●	●	●		●	
type FSB galv steel, pvc, galv steel over braid		IP54	350	120		-15°C to +70°C	●		●	●	●	●	●	
type FB galv steel, galv steel over braid		IP40	350	120		-50°C to +300°C	●		●	●	●	●	●	
type LTP galv steel, pvc coated, liquid tight		IP66, IP67, IP68	400	130		-20°C to +105°C	●		●	●	●		●	●
type LTPHC galv steel, thermoplastic rubber, liquid tight		IP66, IP67, IP68	400	130		-45°C to +135°C	●		●	●	●		●	●
type LTPUL galv steel, pvc coated, liquid tight		IP66, IP67, IP68	500	160		-15°C to +75°C	●		●	●	●		●	●
type FLP galv steel, pvc coated, pliable		IP66, IP67	400	50		-15°C to +70°C	●	●	●	●	●	●	●	●
type FPAS nylon LFH PA6 corrugated, std weight		IP66, IP67, IP68	75	40	●	-40°C to +120°C	●		●	●	●		●	●
type FPAL nylon PA6 corrugated, light weight		IP66, IP67, IP68	60	30	●	-40°C to +120°C	●		●	●	●		●	●
type FPR nylon extra LFH PA6 corrugated, std wght		IP66, IP67, IP68	75	40		-40°C to +120°C	●		●	●	●		●	●
type FPAH nylon LFH PA6 corrugated, heavy wght		IP66, IP67, IP68	120	70		-40°C to +120°C	●		●	●	●		●	●
type FPI nylon PA12 corrugated, standard wght		IP66, IP67, IP68	45	30	●	-50°C to +110°C	●		●	●	●		●	●
type FPIH nylon PA12 corrugated, heavy weight		IP66, IP67, IP68	60	50	●	-50°C to +110°C	●		●	●	●		●	●
type FPY nylon PA6 corrugated, light weight		IP40, IP66, IP67, IP68	60	25	●	-40°C to +100°C	●		●	●	●		●	●
type FPP polypropylene corrugated, std weight		IP40, IP66, IP67, IP68	35	25		-20°C to +90°C	●		●	●	●		●	●
type FPY nylon PA6, large diameter, std weight		IP40, IP65				-40°C to +120°C	●		●	●	●		●	●
type FPL upvc corrugated		IP40, IP66, IP67, IP68	150	30		-5°C to +70°C		●	●	●	●		●	●
type FPC pvc spiral reinforced		IP65	60	25		-5°C to +70°C		●	●	●	●		●	●
type LPC smooth, pvc spiral reinforced		IP67	120	50		-5°C to +70°C		●	●	●	●		●	●

type FU
galvanised steel

type SSU
stainless steel, grade 316

type FSU
galvanised steel, pvc coated

type FNU
galvanised steel, thermoplastic coated

type LFHU
galvanised steel, LFH coated

type FSB
galv steel, pvc, galv steel over braid

type FB
galv steel, galv steel over braid

type LTP
galv steel, pvc coated, liquid tight

type LTPHC
galv steel, thermoplastic rubber, liquid tight

type LTPUL
galv steel, pvc coated, liquid tight

type FLP
galv steel, pvc coated, pliable

type FPAS
nylon LFH PA6 corrugated, std weight

type FPAL
nylon PA6 corrugated, light weight

type FPR
nylon extra LFH PA6 corrugated, std wght

type FPAH
nylon LFH PA6 corrugated, heavy wght

type FPI
nylon PA12 corrugated, standard wght

type FPIH
nylon PA12 corrugated, heavy weight

type FPY
nylon PA6 corrugated, light weight

type FPP
polypropylene corrugated, std weight

type FPY
nylon PA6, large diameter, std weight

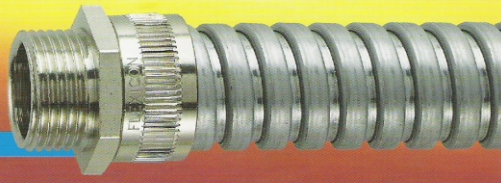
type FPL
upvc corrugated

type FPC
pvc spiral reinforced

type LPC
smooth, pvc spiral reinforced

metallic conduit and fittings

galvanised steel



type FU

IP40

Construction: Galvanised steel, helically wound, flexible conduit. Colour zinc, self colour.

Typical Applications: Underfloor wiring in office blocks.

type SSU

IP40

Construction: Stainless steel (grade 316), helically wound, flexible conduit. Colour stainless steel, self colour.

Typical Applications: Instrumentation and security.

Conduit

- High mechanical strength
- Highly flexible
- Inherently Low Fire Hazard (LFH)
- Temperature range -50°C to +300°C
- IP rating: IP40
- SSU version offers corrosion resistance
- Nickel plated brass fittings
- Stainless steel (316) fittings

fittings

type M

IP40

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

type M-SS

IP40

fixed external thread stainless steel

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

type S

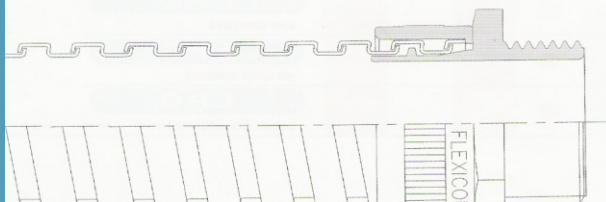
IP40

swivel external thread nickel plated brass

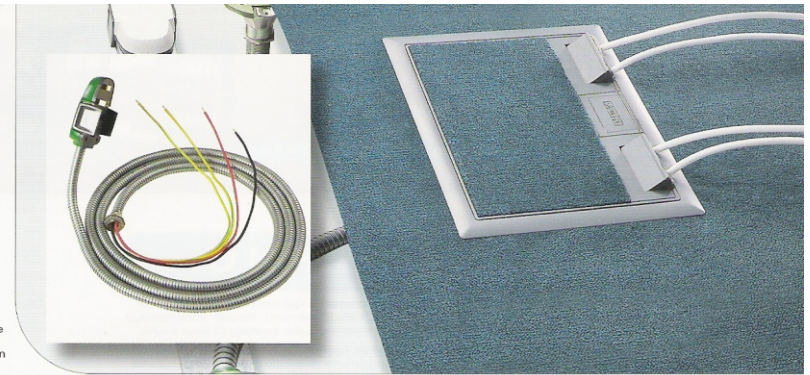
Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.



nominal size (mm)	FU				SSU				metric thread			PG thread					
	part number	reel length (m)	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	part number	part number	part number	part number	part number	part number	part number			
10	FU10	25, 50	SSU10	25	9.0	6.8	25	M12	FU10-M12-M	PG7	FU10-PG7-M	M12	SSU10-M12-M	M12	FU10-M12-S	PG7	FU10-PG7-S
12	FU12	25, 50	SSU12	25	13.0	10.2	30	M16	FU12-M16-M	PG9	FU12-PG9-M	M16	SSU12-M16-M	M16	FU12-M16-S	PG9	FU12-PG9-S
16	FU16	10, 25, 50	SSU16	25	16.0	13.0	40	M16	FU16-M16-M	PG11	FU16-PG11-M	M16	SSU16-M16-M	M16	FU16-M16-S	PG11	FU16-PG11-S
20	FU20	10, 25, 50	SSU20	25	20.5	16.9	45	M20	FU16-M20-M			M20	SSU16-M16-M	M20	FU16-M20-S		
25	FU25	10, 25, 50	SSU25	25	25.0	21.1	55	M20	FU20-M20-M	PG16	FU20-PG16-M	M20	SSU20-M20-M	M20	FU20-M20-S	PG16	FU20-PG16-S
32	FU32	10, 25	SSU32	25	32.0	28.1	70	M25	FU20-M20-M	PG16	FU20-PG16-M	M25	SSU25-M25-M	M25	FU25-M25-S	PG21	FU25-PG21-S
40	FU40	10, 25	SSU40*	10	42.5	37.6	80	M32	FU32-M32-M	PG29	FU32-PG29-M	M32	SSU32-M32-M	M32	FU32-M32-S	PG29	FU32-PG29-S
50	FU50	10, 25	SSU50*	10	53.0	48.4	90	M40	FU40-M40-M	PG36	FU40-PG36-M	M40	SSU40-M40-M*	M40	FU40-M40-S	PG36	FU40-PG36-S
63	FU63	10			62.5	57.5	115	M50	FU50-M50-M	PG48	FU50-PG48-M	M50	SSU50-M50-M*	M50	FU50-M50-S	PG42	FU50-PG42-S
75	FU75	10			77.0	70.0	150	M63	FU63-M63-M			M63	FU63-M63-S				



Typical applications for type FU conduit and fittings include underfloor cabling in commercial buildings.



fittings

type P

IP40

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

type F

IP40

fixed internal thread nickel plated brass

Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.

type FCC

plated steel P clip with pvc liner stainless steel P clips

type 90° elbow

internal and external threaded nickel plated brass elbow

locknuts

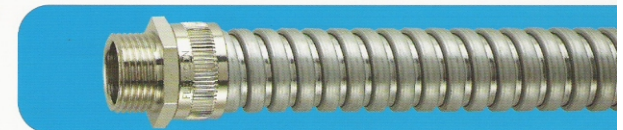
plated steel nickel plated brass and stainless steel



hole size	part number		metric thread		plated steel part number		stainless steel part number		metric thread		metric thread		steel part number		brass part number		stainless steel part number	
9	FU10-P		M12	FU10-M12-S	FCC10	FCC10-SS*			PG7	BM90-PG7	M12		B-M12					10
12	FU12-P		M16	FU12-M16-S	FCC12	FCC12-SS*			M16	BM90-16M	M16	S-M16	B-M16					12
16	FU16-P		M16	FU16-M16-S	FCC16	FCC16-SS			M16	BM90-16M	M16	S-M16	B-M16	SS-M16				16
			M20	FU16-M20-S	FCC16	FCC16-SS			M20	BM90-20M	M20	S-M20	B-M20	SS-M20				16
20	FU20-P		M20	FU20-M20-S	FCC20	FCC20-SS			M20	BM90-20M	M20	S-M20	B-M20	SS-M20				20
25	FU25-P		M25	FU25-M25-S	FCC25	FCC25-SS			M25	BM90-25M	M25	S-M25	B-M25	SS-M25				25
32	FU32-P		M32	FU32-M32-S	FCC32	FCC32-SS			M32	BM90-32M	M32	S-M32	B-M32	SS-M32				32
40	FU40-P		M40	FU40-M40-S	FCC40	FCC40-SS*			M40	BM90-40M	M40	S-M40	B-M40	SS-M40*				40
51	FU50-P		M50	FU50-M50-S	FCC50	FCC50-SS*			M50	BM90-50M	M50	S-M50	B-M50	SS-M50*				50
61	FU63-P		M63	FU63-M63-S	FCC63				M63		M63	S-M63	B-M63					63
75	FU75-P				FCC75								B-M75					75

ordering notes

- Add reel length eg: FU20-25M
 - Available on request:**
 - longer lengths and bulk packaging
 - cut lengths and assemblies
 - alternative threads
 - stainless steel swivel fittings
- *indicates parts made to order on request



metallic conduit and fittings

galvanised steel pvc or nylon coated



type FSU

IP54 IP65

Construction: Galvanised steel, helically wound, flexible steel conduit with pvc coating. Colour black. Grey or orange on request.
Typical Applications: General factory wiring and connections to machines.

type FNU

IP54 IP65

Construction: Galvanised steel, helically wound, flexible steel conduit with thermoplastic coating. Colour black.
Typical Applications: Demanding applications requiring higher temperatures or solvent and abrasion resistance.

Conduit

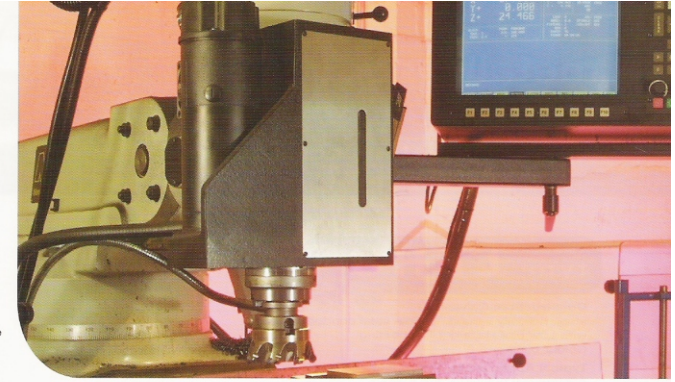
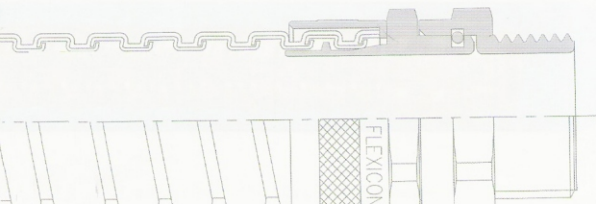
- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings, IP65 with type C compression fittings
- Temperature range FSU -15°C to +70°C FNU -40°C to +120°C
- FNU offers high abrasion resistance and solvent resistance
- Low Fire Hazard version available
- Nickel plated brass fittings

fittings

type M IP54	type S IP54	type P IP54
fixed external thread nickel plated brass	swivel external thread nickel plated brass	plain hole connector nickel plated brass
Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.	Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.	Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.



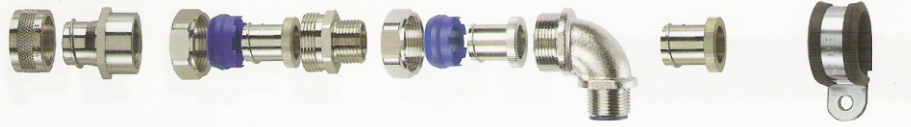
nominal size (mm)	FSU part number	reel length (m)	FNU part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread	part number	PG thread	part number	metric thread	part number	PG thread	part number	hole size	part number	
10	FSU10B	25, 50			10.0	6.8	25	M12	FSU10-M12-M	PG7	FSU10-PG7-M	M12	FSU10-M12-S	PG7	FSU10-PG7-S	9	FSU10-P	
12	FSU12B	25, 50			14.0	10.2	30	M16	FSU12-M16-M	PG9	FSU12-PG9-M	M16	FSU12-M16-S	PG9	FSU12-PG9-S	12	FSU12-P	
16	FSU16B	10, 25, 50	FNU16B	25	17.0	13.0	40	M16	FSU16-M16-M	PG11	FSU16-PG11-M	M16	FSU16-M16-S	PG11	FSU16-PG11-S	16	FSU16-P	
20	FSU20B	10, 25, 50	FNU20B	25	21.5	16.9	45	M20	FSU16-M20-M	M20	FSU16-M20-S	M20	FSU20-M20-M	PG16	FSU20-PG16-S	20	FSU20-P	
25	FSU25B	10, 25, 50	FNU25B	25	26.0	21.1	55	M25	FSU20-M20-M	PG16	FSU20-PG16-S	M20	FSU20-M20-S	PG16	FSU20-PG16-S	20	FSU20-P	
32	FSU32B	10, 25	FNU32B	10	34.0	28.1	70	M32	FSU25-M25-M	PG21	FSU25-PG21-M	M25	FSU25-M25-S	PG21	FSU25-PG21-S	25	FSU25-P	
40	FSU40B	10, 25			44.5	37.6	80	M40	FSU32-M32-M	PG29	FSU32-PG29-M	M32	FSU32-M32-S	PG29	FSU32-PG29-S	32	FSU32-P	
50	FSU50B	10, 25			55.0	48.4	90	M50	FSU40-M40-M	PG36	FSU40-PG36-M	M40	FSU40-M40-S	PG36	FSU40-PG36-S	40	FSU40-P	
63	FSU63B	10			64.5	57.5	115	M63	FSU50-M50-M	PG48	FSU50-PG48-M	M50	FSU50-M50-S	PG48	FSU50-PG48-S	51	FSU50-P	
75	FSU75B	10			79.0	70.0	150	M75	FSU63-M63-M	M63	FSU63-M63-S	M63	FSU63-M63-S			61	FSU63-P	
								M75	FSU75-M75-M								75	FSU75-P



Typical applications for type FSU conduit and fittings include general factory wiring.

fittings

type F IP54	type C IP65	type C90 IP65	type E	type FCC
fixed internal thread nickel plated brass	external thread nickel plated brass	external thread elbow nickel plated brass	insert to cap end of conduit nickel plated brass	plated steel P clip with pvc liner
Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.	Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.	Multipart 90° compression fitting including elastomeric seal.	Single part, machined insert to cap end of conduit.	



metric thread	part number	metric thread	part number	metric thread	part number	part number	part number	nominal size (mm)
		M12	FSU10-M12-C			FSU10-E	FCC10	10
		M16	FSU12-M16-C			FSU12-E	FCC12	12
		M16	FSU16-M16-C	M16	FSU16-M16-C90	FSU16-E	FCC16	16
M20	FSU16-M20-F	M20	FSU16-M20-C	M20	FSU16-M20-C90	FSU16-E	FCC16	16
M20	FSU20-M20-F	M20	FSU20-M20-C	M20	FSU20-M20-C90	FSU20-E	FCC20	20
M25	FSU25-M25-F	M25	FSU25-M25-C	M25	FSU25-M25-C90	FSU25-E	FCC25	25
M32	FSU32-M32-F	M32	FSU32-M32-C	M32	FSU32-M32-C90	FSU32-E	FCC32	32
		M40	FSU40-M40-C			FSU40-E	FCC40	40
		M50	FSU50-M50-C			FSU50-E	FCC50	50
							FCC63	63
							FCC75	75

ordering notes

- Add reel length eg: FSU20B-25M
- FSU fittings used for FNU conduit
- Available on request:**
 - longer lengths and bulk packaging cut lengths and assemblies
 - other colours
 - stainless steel fittings (grade 316)
 - alternative threads



metallic conduit and fittings

galvanised steel LFH coated



type LFHU

Construction: Galvanised steel, helically wound, flexible steel conduit with Low Fire Hazard (LFH) coating. Colour black.

Typical Applications: Public and commercial buildings and tunnels.

Conduit

- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings, IP65 with type C compression fittings
- Extra low Fire Hazard (LFH) see page 35
- UL 94 V0
- Halogen, sulphur and phosphorus free
- Temperature range -25°C to +90°C
- Nickel plated brass fittings

fittings

type M

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

type S

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

type P

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.



nominal size (mm)	LFHU part number	reel length (m)	outside dia (mm)	inside dia (mm)	min. inside bend radius (mm)	metric thread	part number	PG thread	part number	metric thread	part number	PG thread	part number	hole size	part number
12	LFHU12B*	25	14.0	10.2	30	M16	FSU12-M16-M	PG9	FSU12-PG9-M	M16	FSU12-M16-S	PG9	FSU12-PG9-S	12	FSU12-P
16	LFHU16B	25, 50	17.0	13.0	40	M16	FSU16-M16-M	PG11	FSU16-PG11-M	M16	FSU16-M16-S	PG11	FSU16-PG11-S	16	FSU16-P
16						M20	FSU16-M20-M			M20	FSU16-M20-S				
20	LFHU20B	25, 50	21.5	16.9	45	M20	FSU20-M20-M	PG16	FSU20-PG16-M	M20	FSU20-M20-S	PG16	FSU20-PG16-S	20	FSU20-P
25	LFHU25B	25	26.0	21.1	55	M25	FSU25-M25-M	PG21	FSU25-PG21-M	M25	FSU25-M25-S	PG21	FSU25-PG21-S	25	FSU25-P
32	LFHU32B	25	34.0	28.1	70	M32	FSU32-M32-M	PG29	FSU32-PG29-M	M32	FSU32-M32-S	PG29	FSU32-PG29-S	32	FSU32-P
40	LFHU40B	10	44.5	37.6	80	M40	FSU40-M40-M	PG36	FSU40-PG36-M	M40	FSU40-M40-S	PG36	FSU40-PG36-S	40	FSU40-P
50	LFHU50B	10	55.0	48.4	90	M50	FSU50-M50-M	PG48	FSU50-PG48-M	M50	FSU50-M50-S	PG48	FSU50-PG48-S	51	FSU50-P

fittings

type F

fixed internal thread nickel plated brass

Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.

type C

external thread nickel plated brass

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

type C90

external thread elbow nickel plated brass

Multipart 90° compression fitting including elastomeric seal.

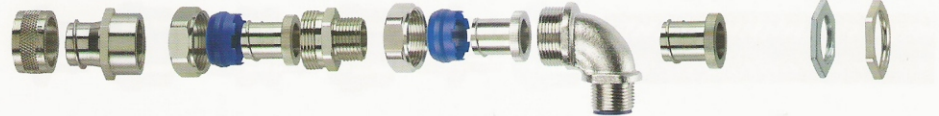
type E

insert to cap end of conduit nickel plated brass

Single part, machined insert to cap end of conduit.

type Locknuts

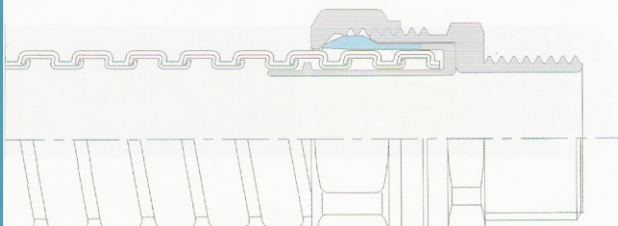
plated steel and nickel plated brass



metric thread	part number	metric thread	part number	metric thread	part number	part number	metric thread	steel part number	brass part number	nominal size (mm)
		M16	FSU16-M16-C	M16	FSU12-M16-C90	FSU12-E	M16	S-M16	B-M16	12
		M16	FSU16-M16-C	M16	FSU16-M16-C90	FSU16-E	M16	S-M16	B-M16	16
M20	FSU16-M20-F	M20	FSU16-M20-C	M20	FSU16-M20-C90	FSU16-E	M20	S-M20	B-M20	16
M20	FSU20-M20-F	M20	FSU20-M20-C	M20	FSU20-M20-C90	FSU20-E	M20	S-M20	B-M20	20
M25	FSU25-M25-F	M25	FSU25-M25-C	M25	FSU25-M25-C90	FSU25-E	M25	S-M25	B-M25	25
M32	FSU32-M32-F	M32	FSU32-M32-C	M32	FSU32-M32-C90	FSU32-E	M32	S-M32	B-M32	32
		M40	FSU40-M40-C			FSU40-E	M40	S-M40	B-M40	40
		M50	FSU50-M50-C			FSU50-E	M50	S-M50	B-M50	50

ordering notes

- Add reel length eg: LFHU20B-25M
- FSU fittings used on LFHU
- Available on request:**
 - longer lengths and bulk packaging
 - cut lengths and assemblies
 - additional sizes
 - stainless steel fittings (grade 316)
 - alternative threads
 - full copies of independent test reports confirming LFH properties



metallic conduit and fittings

galvanised steel braided



type FSB

IP54

Construction: Galvanised steel, helically wound, flexible conduit with pvc coating and galvanised steel overbraid. Colour zinc, self colour.

Typical Applications: Industrial environments where higher abrasion resistance or screening are required.

Conduit

- High mechanical strength
- Highly flexible
- IP rating: IP54
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
- Temperature range -15°C to +70°C
- Nickel plated brass fittings

fittings

type M IP54

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

type S IP54

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

type P IP54

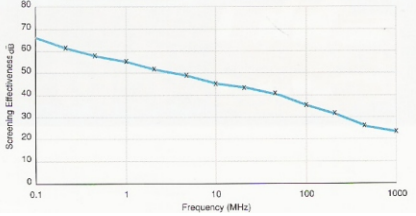
plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.



nominal size (mm)	FSB part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread		hole size	part number		
						metric thread	part number				
12	FSB12	25	15.2	10.2	30	M16	FSB12-M16-M	M16	FSB12-M16-S	12	FSB12-P
16	FSB16	25	18.2	13.0	40	M16	FSB16-M16-M	M16	FSB16-M16-S	16	FSB16-P
16						M20	FSB16-M20-M	M20	FSB16-M20-S		
20	FSB20	25	22.7	16.9	45	M20	FSB20-M20-M	M20	FSB20-M20-S	20	FSB20-P
25	FSB25	25	27.2	21.1	55	M25	FSB25-M25-M	M25	FSB25-M25-S	25	FSB25-P
32	FSB32	25	35.2	28.1	70	M32	FSB32-M32-M	M32	FSB32-M32-S	32	FSB32-P
40	FSB40	10	45.7	37.6	80	M40	FSB40-M40-M	M40	FSB40-M40-S	40	FSB40-P
50	FSB50	10	57.7	48.4	90	M50	FSB50-M50-M	M50	FSB50-M50-S	51	FSB50-P

Types FSB and FB EMC Screening Performance



type FB

IP40

Construction: Galvanised steel, helically wound conduit with galvanised steel overbraid. Colour zinc, self colour.

Typical Applications: Industrial environments and high temperatures.

Conduit

- High mechanical strength
- Highly flexible
- IP rating: IP40
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
- Temperature range -50°C to +300°C
- Inherently Low Fire Hazard (LFH)
- Nickel plated brass fittings

fittings

type M IP40

fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

type S IP40

swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

type P IP40

plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.



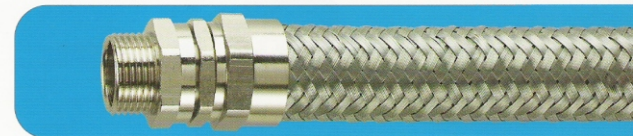
Typical applications for braided conduit and fittings include industrial environments.



nominal size (mm)	FB part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread		hole size	part number		
						metric thread	part number				
12	FB12	25	14.0	10.2	30	M16	FB12-M16-M	M16	FB12-M16-S	12	FB12-P
16	FB16	25	17.5	13.0	40	M16	FB16-M16-M	M16	FB16-M16-S	16	FB16-P
16						M20	FB16-M20-M	M20	FB16-M20-S		
20	FB20	25	21.5	16.9	45	M20	FB20-M20-M	M20	FB20-M20-S	20	FB20-P
25	FB25	25	26.0	21.1	55	M25	FB25-M25-M	M25	FB25-M25-S	25	FB25-P
32	FB32	25	34.0	28.1	70	M32	FB32-M32-M	M32	FB32-M32-S	32	FB32-P
40	FB40	10	43.5	37.6	80	M40	FB40-M40-M	M40	FB40-M40-S	40	FB40-P

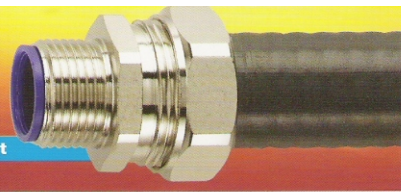
ordering notes

- Add reel length eg: FB20-25M or FSB20-25M
- Available on request:**
 - longer lengths
 - cut lengths and assemblies
 - additional sizes
 - stainless steel overbraid
 - PG threads
 - female threaded fittings
 - full copies of independent test report confirming screening effectiveness



metallic conduit and fittings

galv steel pvc coated liquid tight



type LTP

IP66 IP67 IP68

Construction: Galvanised steel, helically wound, flexible conduit with smooth pvc cover. Colour black. Grey or orange on request.

Typical Applications: Machine tools or outdoor installations where liquid tight is a requirement.

type LTPHC

IP66 IP67 IP68

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.

type LTPUL

IP66 IP67 IP68

Construction: Galvanised steel, helically wound, flexible steel conduit including copper bonding strip with smooth pvc cover. Colour black.

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

Conduit

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Temperature range
LTP -20°C to +105°C
LTPHC -45°C to +135°C
LTPUL -15°C to +75°C
- LTP has Lloyd's Register Type Approval
- LTP is UL listed and CSA approved
- Resistant to oils and greases
- LTP and LTPUL are UV resistant and suitable for external use
- Nickel plated brass or stainless steel fittings

fittings

type C IP66 IP67 IP68
external thread
nickel plated brass

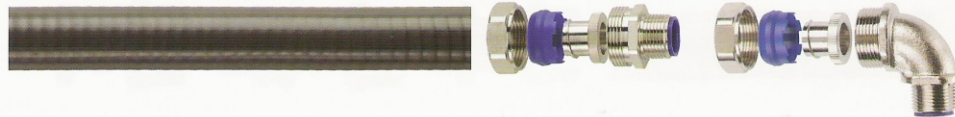
Multipart compression fitting including nylon seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

type S IP66 IP67 IP68
swivel external thread
nickel plated brass

Compression fitting for knockout or threaded entries. (not shown)

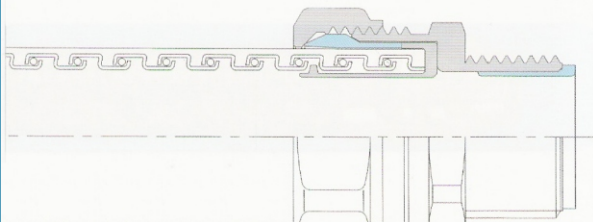
type C90 IP66 IP67 IP68
external thread
nickel plated brass

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



nominal size (mm)	LTP 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)	US trade size (")	outside dia (mm)	inside dia (mm)	metric thread	part number	metric thread	part number	metric thread	part number
10	LTP10	50	35							X	11.8		M12	LTP10-M12-C	M16	LTP10-M16-S	M16	LTP10-M16-C90
12	LTP12	25, 50	40	LTPHC12B	25	40				¾	14.2	10.0	M16	LTP12-M16-C	M16	LTP12-M16-S	M16	LTP12-M16-C90
16	LTP16	10, 25, 50	45	LTPHC16B	25	45	LTPUL16B	25	50	X	17.8	12.6	M20	LTP16-M20-C	M20	LTP16-M20-S	M20	LTP16-M20-C90
20													M20	LTP20-M20-C	M20	LTP20-M20-S	M20	LTP20-M20-C90
25	LTP25	10, 25, 50	65	LTPHC25B	25	65	LTPUL25B	25	90	X	21.1	16.0	M25	LTP25-M25-C	M25	LTP25-M25-S	M25	LTP25-M25-C90
32	LTP32	10, 25	135	LTPHC32B	25	135	LTPUL32B	15	140	1	33.1	26.5	M32	LTP32-M32-C	M32	LTP32-M32-S	M32	LTP32-M32-C90
40	LTP40	10, 25	175				LTPUL40B	15	180	1½	41.8	35.4	M40	LTP40-M40-C	M40	LTP40-M40-S	M40	LTP40-M40-C90
50	LTP50	10, 25	230				LTPUL50B	15	230	1½	47.9	40.4	M50	LTP50-M50-C	M50	LTP50-M50-S	M50	LTP50-M50-C90
63	LTP63	10, 25	280				LTPUL63B	15	280	2	59.7	51.6	M63	LTP63-M63-C	M63	LTP63-M63-S	M63	LTP63-M63-C90

● 45° and stainless steel versions also available



fittings

type E
insert to cap end of conduit
nickel plated brass

Single part, machined insert to cap end of conduit.



part number	metric thread	part number	metric thread	part number	metric thread	part number	metric thread	part number	metric thread
LTP10-E	M12	SW12	M12	SW12	M12	SW12	M12	SW12	M12
LTP12-E	M16	SW16	M16	SW16	M16	SW16	M16	SW16	M16
LTP16-E	M20	SW20	M20	SW20	M20	SW20	M20	SW20	M20
LTP20-E	M25	SW25	M25	SW25	M25	SW25	M25	SW25	M25
LTP25-E	M32	SW32	M32	SW32	M32	SW32	M32	SW32	M32
LTP32-E	M40	SW40	M40	SW40	M40	SW40	M40	SW40	M40
LTP40-E	M50	SW50	M50	SW50	M50	SW50	M50	SW50	M50
LTP50-E	M63	SW63	M63	SW63	M63	SW63	M63	SW63	M63

type CSS
external thread
stainless steel (grade 316) body and nut

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

sealing washers
neoprene face sealing washers



metric thread	part number	metric thread	part number	metric thread	part number	metric thread	part number
M12	SW12	M12	SW12	M12	SW12	M12	SW12
M16	SW16	M16	SW16	M16	SW16	M16	SW16
M20	SW20	M20	SW20	M20	SW20	M20	SW20
M25	SW25	M25	SW25	M25	SW25	M25	SW25
M32	SW32	M32	SW32	M32	SW32	M32	SW32
M40	SW40	M40	SW40	M40	SW40	M40	SW40
M50	SW50	M50	SW50	M50	SW50	M50	SW50
M63	SW63	M63	SW63	M63	SW63	M63	SW63

locknuts
galvanised steel, nickel plated brass and stainless steel locknuts



metric thread	steel part number	brass part number	stainless steel part number	metric thread	steel part number	brass part number	stainless steel part number
M12	B-M12	B-M12	SS-M12	M12	B-M12	B-M12	SS-M12
M16	B-M16	B-M16	SS-M16	M16	B-M16	B-M16	SS-M16
M20	B-M20	B-M20	SS-M20	M20	B-M20	B-M20	SS-M20
M25	B-M25	B-M25	SS-M25	M25	B-M25	B-M25	SS-M25
M32	B-M32	B-M32	SS-M32	M32	B-M32	B-M32	SS-M32
M40	B-M40	B-M40	SS-M40	M40	B-M40	B-M40	SS-M40
M50	B-M50	B-M50	SS-M50	M50	B-M50	B-M50	SS-M50
M63	B-M63	B-M63	SS-M63	M63	B-M63	B-M63	SS-M63

Clips

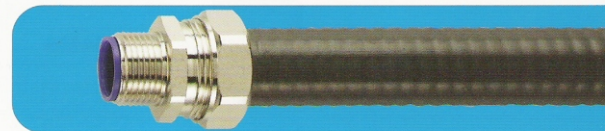
type FCC
plated steel P clip with pvc liner
stainless steel P clip



metric thread	plated steel part number	stainless steel part number	metric thread	plated steel part number	stainless steel part number
M12	FCC10	FCC12-SS*	M12	FCC10	FCC12-SS*
M16	FCC16	FCC18-SS*	M16	FCC16	FCC18-SS*
M20	FCC20	FCC22-SS*	M20	FCC20	FCC22-SS*
M25	FCC25	FCC28-SS*	M25	FCC25	FCC28-SS*
M32	FCC32	FCC36-SS*	M32	FCC32	FCC36-SS*
M40	FCC40	FCC45-SS*	M40	FCC40	FCC45-SS*
M50	FCC50	FCC55-SS*	M50	FCC50	FCC55-SS*
M63	FCC63	FCC68-SS*	M63	FCC63	FCC68-SS*

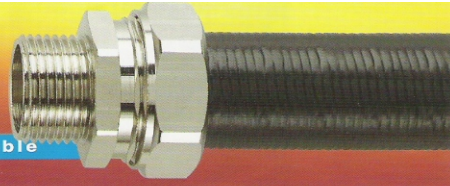
ordering notes

- Add reel length eg: LTP20B-25M
- For LTP specify colour (B = Black, G = Grey)
- Available on request:
longer lengths and bulk packaging cut lengths and assemblies
other colours
alternative threads such as PG or NPT
overbraided conduit
stainless steel conduit
*indicates parts made to order on request



metallic conduit and fittings

galvanised steel, pvc coated, pliable



type FLP

IP66 IP67

Construction: Corrugated galvanised steel with kraft paper lining and smooth pvc outer cover. Colour black.

Typical Applications: Any installation where there is no movement and a high IP rating is required.

Conduit

- High compression strength
- Provides EMC screening
- IP rating: IP66 + IP67
- Smooth, wipe clean outer cover
- Does not wrinkle when bent
- Can be bent into shape requiring fewer clips
- Temperature range -15°C to +70°C
- Nickel plated brass fittings

fittings

type

C IP66 IP67

external thread
nickel plated brass

Multipart compression fitting including serrated nylon seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening once pvc is trimmed from end of conduit.

type

90° elbows

internal and external
threaded nickel plated
brass elbow

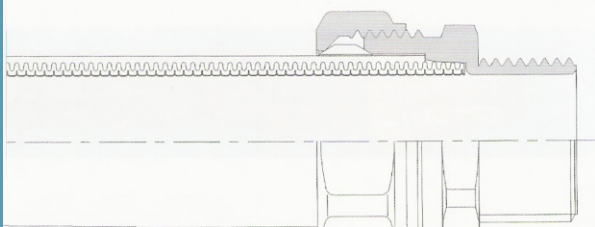
sealing washers

neoprene face
sealing washers



nominal size (mm)	FLP part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
16	FLP16B	10, 25, 50	17.8	11.6	35
20	FLP20B	10, 25, 50	20.9	14.6	35
25	FLP25B	10, 25, 50	27.3	20.4	45
32	FLP32B	10, 25	34.0	26.4	55
40	FLP40B	25	44.5	37.1	80
50	FLP50B	20	56.5	49.1	150

metric thread	part number	metric thread	part number	metric thread	part number
M16	FLP16-M16-C	M16	BM90-16M	M16	SW16
M20	FLP20-M20-C	M20	BM90-20M	M20	SW20
M25	FLP25-M25-C	M25	BM90-25M	M25	SW25
M32	FLP32-M32-C	M32	BM90-32M	M32	SW32
M40	FLP40-M40-C	M40	BM90-40M	M40	SW40
M50	FLP50-M50-C	M50	BM90-50M	M50	SW50



Typical application for type FLP conduit and fittings includes static machines.

fittings

locknuts

galvanised steel and
nickel plated brass
locknuts



Clips

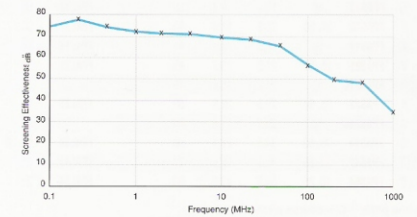
type

FCC

plated steel P clip with
pvc liner

metric thread	steel part number	brass part number	part number	nominal size (mm)
M16	S-M16	B-M16	FCC16	16
M20	S-M20	B-M20	FCC20	20
M25	S-M25	B-M25	FCC25	25
M32	S-M32	B-M32	FCC32	32
M40	S-M40	B-M40	FCC40	40
M50	S-M50	B-M50	FCC50	50

EMC Screening Performance



ordering notes

- Add reel length eg: FLP20B-25M
- Available on request:
 - longer lengths
 - cut lengths and assemblies
 - additional sizes
 - uncoated version
 - full copies of independent test report
 - confirming screening effectiveness
- LFH version now available



contractor packs

Each pack contains
10m conduit,
10 fittings,
10 locknuts



STEEL - PVC - Black IP54

FSU-CP20B M20 thread

Conduit

- 10 metres of galvanised steel with PVC coating
- Temperature range -15°C to 70°C
- Self extinguishing
- High mechanical strength
- Highly flexible



fittings

- 5 M20 fixed fittings
- 5 M20 swivel fittings
- 10 locknuts
- IP54

NYLON-Black IP66

FPAS-CP21B M20 thread
FPAS-CP28B M25 thread

PVC-Black IP65

FPC-CP20B M20 thread
FPC-CP25B M25 thread

NYLON-Black IP40

FPYE-CP21B M20 thread
FPYE-CP25B M25 thread

POLYPROPYLENE -Black, Grey IP40

FPP-CP21* M20 thread
FPP-CP25* M25 thread

Conduit

- | | | | |
|--|---|--|---|
| <ul style="list-style-type: none"> 10 metres of standard weight nylon PA6 FPAS Low fire hazard Halogen free Self extinguishing Low smoke and Low toxicity High flexibility and fatigue life High impact strength Oil and solvent resistant UV resistant Temperature range -40°C to 120°C | <ul style="list-style-type: none"> 10 metres of spiral reinforced pvc FPC Highly flexible Accepts torsional movement Self extinguishing Temperature range -5°C to 70°C | <ul style="list-style-type: none"> 10 metres of light weight nylon PA6 FPAL Flexible Halogen free Self extinguishing Temperature range -40°C to 120°C | <ul style="list-style-type: none"> 10 metres of polypropylene Temperature range -20°C to 90°C |
|--|---|--|---|



fittings

- | | | | |
|---|--|--|--|
| <ul style="list-style-type: none"> 10 FPA fittings and locknuts One part, fast fit Removable using a screwdriver High pull-off strength Anti-vibration IP66 | <ul style="list-style-type: none"> 10 MPC fittings and locknuts IP65 | <ul style="list-style-type: none"> 10 MSL fittings and locknuts Hinged IP40 | <ul style="list-style-type: none"> 10 MSL fittings and locknuts Hinged IP40 |
|---|--|--|--|

*ordering notes for FPP

- Specify black or grey (B= Black, G= Grey) eg: FPP-CP21B



BS EN 50085

Low Fire Hazard (LFH) performance

Low Fire Hazard (LFH) conduit systems are becoming an increasing part of the specification in many cabling applications. Public buildings, retail outlets, high rise office blocks, hospitals and transport installations - these are just a few of the instances where Low Fire Hazard products may be demanded.

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.

At Flexicon we define a Low Fire Hazard product by having all of the following properties:

Highly flame retardant to prevent a fire or limit its development if one does start.

Low smoke emission in the event of a fire to enable personnel to see their way to escape.

Low toxicity in the event of a fire to ensure personnel are not overcome during their escape.

Halogen free gives an indication of low smoke and low toxicity. It also rules out halogen acid gas emission - a fact that is of interest to insurers as acid smoke can destroy computer equipment and damage the structure of a building.

tests used

Flame Retardancy

Limiting Oxygen Index (LOI) to BSEN ISO 4589 determines the percentage of oxygen in air that would need to be present to support combustion. The higher the percentage the greater flame retardancy.

Oxygen present in normal air 21%. The UK Code of Practice for railway rolling stock requires 28% for overground and 34% for underground passenger carriages.

UL 94 is an underwriter laboratories standard with flammability classifications HB, V0, V1, V2. HB allows horizontal burning up to a maximum speed, V0 is highly flame retardant.

Smoke Density is evaluated to BS6853 annex D.8.3, Code of Practice for fire precautions in the design and construction of passenger carrying trains. A plaque of materials is burnt in a 3 metre cubic chamber. A graph of smoke opacity against time is plotted which shows the maximum opacity (Ao) and the time taken to reach that opacity. LFH materials should have Ao < 0.03.

Toxic Fumes

Naval standard NES/713 and rail standard BS6853 burns a set amount of material and analyses the gases given off. The volume of each gas is multiplied by the toxicity index for each gas. The toxicity index for each gas are added together to give an overall toxicity index for the material.

NFF16-101/2 is a French Norm, used by railways, which gives an ignition and fume rating from oxygen index, glow wire ignition, smoke density and smoke toxicity tests.

Buyer Beware

All four properties must be present to claim LFH.

Halogen free does not assure low smoke and low toxicity.

A low smoke and fume product may not be self-extinguishing let alone highly flame retardant. Ensure your supplier provides performance data on all four aspects of Low Fire Hazard performance.

Full independent test reports are available on request.

performance of Flexicon LFH products

FU, SSU, FB and metal fittings

These products are made exclusively of metal (steel, stainless steel or brass) and are all inherently low fire hazard.

LFHU

- Self extinguishing
- Highly flame retardant
 - LOI = 43%
 - UL 94 V0
- Low smoke to BS6853
 - maximum opacity Ao = 0.01
- Low toxicity
 - toxicity index to NES713 = 1
- Halogen, sulphur & phosphorus free

FPAS

- Self extinguishing
- Highly flame retardant
 - LOI = 26%
 - UL 94 V2
- Low smoke to BS6853
 - maximum opacity Ao = 0.02
- Low toxicity
 - toxicity index to BS6853 Annex B = 1.55
- Halogen, sulphur & phosphorus free

FPAH

- Self extinguishing
- Highly flame retardant
 - LOI = 26%
 - UL 94 V2
- Low smoke to BS6853
 - maximum opacity Ao = 0.02
- Low toxicity
 - toxicity index to BS6853 Annex B = 1.55
- Halogen, sulphur & phosphorus free

FPR

- Self extinguishing
- Highly flame retardant
 - LOI = 35%
 - UL 94 V0
- Low smoke to BS6853
 - maximum opacity Ao = 0.01
- Low toxicity
 - toxicity index to BS6853 Annex B = 0.99
- Ignition and fume rating to
 - NFF16-101/2 = I2F1
- Halogen, sulphur & phosphorus free

Nylon fittings (PA66)

- Self extinguishing
- Highly flame retardant
 - LOI = 28%
 - UL 94 V2
- Low smoke to BS6853
 - maximum opacity Ao = 0.03
- Low toxicity
 - toxicity index to BS6853 Annex B = 1.18
- Halogen, sulphur & phosphorus free

thread data and cable carrying capacity

metric

standard thread conforming to EN60423

Thread size	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
M12	12.0	10.4	1.5
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5
M63	63.0	61.4	1.5
M75	75.0	73.4	1.5

PF

Japanese conduit thread conforming to JIS B 0202

Thread size (inches)	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
1/8	21.0	18.6	1.81
1/4	26.4	24.1	1.81
1/2	33.3	30.3	2.31
3/4	41.9	39.0	2.31
1	47.8	44.8	2.31
2	59.6	56.7	2.31

NPT

American taper pipe thread conforming to ANS/ASME B1.20.1 - 1983

Thread size (inches)	External thread outside diameter (mm)	Pitch mm
1/8	16.7	1.14
1/4	21.0	1.81
3/8	26.4	1.81
1/2	33.3	2.21
3/4	41.9	2.21
1	47.8	2.21
2	59.6	2.21

PG

German standard thread conforming to DIN40430

Thread size	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
PG7	12.5	11.3	1.27
PG9	15.2	13.9	1.41
PG11	18.6	17.3	1.41
PG13.5	20.4	19.1	1.41
PG16	22.5	21.2	1.41
PG21	28.3	26.8	1.59
PG29	37.0	35.5	1.59
PG36	47.0	45.5	1.59
PG42	54.0	52.5	1.59
PG48	59.3	57.8	1.59

UNEF/UNS

American unified thread conforming to BS1580 used on circular connectors

Thread size (inches)	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch mm
1/8	15.9	14.7	1.06
1/4	19.1	17.7	1.27
3/8	22.2	20.9	1.27
1/2	25.4	24.0	1.27
5/8	30.2	28.6	1.41
3/4	31.8	30.2	1.41
7/8	36.5	35.0	1.41
1 1/8	44.5	42.9	1.41
1 1/2	50.8	49.3	1.41
2	57.2	55.4	1.41

cable carrying capacity

UK wiring regulations BS7671, recommend that the total cross sectional area of the sum of the individual cables should not exceed 40% of the cross sectional area of the conduit. The nominal cross sectional area of single-core, stranded, PVC insulated cables is provided as a guide only. Other cables may have different dimensions.

Nominal conductor size (mm ²)	Nominal overall cross sectional area (mm ²)
1.0	6.6
1.5	7.6
2.5	9.6
4.0	14.5
6.0	18.8
10.0	29.3
16.0	40.2
25.0	63.8
35.0	83.5
50.0	113.0
70.0	149.0
95.0	204.0

Example: is LTP20 suitable for five 4.0mm² cables?

- The total cross sectional area of the conductors is 5 x 14.5mm² = 73mm²
- The cross sectional area of LTP20 is $3.142 \times \frac{\text{inside diameter}^2}{4} = 201\text{mm}^2$
- % of conduit cross sectional area $\frac{73}{201} = 36\%$

This is less than 40%; therefore this conduit is suitable for this combination of cables.

IP ratings and technical guidance

IP ratings guide

(Ingress Protection to BS EN 60529)

1st digit – protection against solid objects

- 0 No protection
- 1 Protected against objects greater than 50mm
- 2 Protected against objects greater than 12mm
- 3 Protected against objects greater than 2.5mm
- 4 Protected against objects greater than 1.0mm
- 5 Ingress of dust is not totally prevented but dust does not enter in harmful quantities
- 6 No ingress of dust

2nd digit – protection against water

- 0 No protection
- 1 Protected against falling drops
- 2 Protected against drops falling at 15°
- 3 Low pressure spray – similar to shower head at up to 60° from vertical
- 4 Low pressure spray – similar to shower head – from any angle
- 5 Medium pressure jet – similar to garden hose – from any angle
- 6 High pressure jet – similar to fire hose – from any angle
- 7 Submersion at 1 metre for 30 minutes
- 8 Higher water pressure eg: 2 bar for 2 hours. Conduits are tested in - house at up to 5 bar. Please call +44 (0) 1675 466900 for more details.

UK wiring regulations

UK wiring regulations BS7671 prohibit the use of flexible or pliable conduit as an earthing conductor.

Where conduits of 40mm and above penetrate fire barriers in buildings the wiring regulations stipulate that internal seals should be used to maintain fire resistance.

To meet the UK wiring regulations conduit should be self extinguishing unless they are to be buried or contained in non combustible material e.g: concrete or plaster.

Please telephone the Flexicon hotline for further guidance.

Technical guidance

Application advice

Flexicon can offer impartial advice on which out of our wide range of conduit systems is most suited to your application. Factors which may be important include:-

Compression strength	Abrasion resistance
Tensile strength	UV resistance
Impact strength	Fire performance
Temperature range	EMC screening
Flexibility	Dimensions
Fatigue life	Weight
Electrical insulation or continuity	Colours
IP rating	Ease of installation
Chemical resistance	

Please call 01675 466900 for technical information and application advice.

Standards, performance and approvals

Flexicon conduits and fittings are manufactured by Flexicon to comply with BS EN 50086, the European conduit standard.

Certain tests are carried out internally by Flexicon, other testing is carried out externally by accredited test laboratories. Specific test reports are available upon request.

Where product performance data over and above the requirements of BS EN 50086 is provided e.g: Low Fire Hazard testing and EMC screening, other appropriate standards have been used.

Flexicon is currently building up a portfolio of test data and product approvals. Please call +44 (0) 1675 466900 for further information and technical advice.

Cutting and Assembly Guidance

All non-metallic conduits and FLP up to 34mm can be easily cut with Flexicon cutters, part no. CC01.

Metallic conduits should be cut with a fine tooth (32 TPI) hacksaw or bandsaw. Our clamping vice, part no. BSB makes the use of a hacksaw much easier.

Cutting of overbraided conduit is made much easier by wrapping self adhesive tape around the conduit and sawing through the middle of the tape. The tape should be removed if EMC screening is required.

Flexicon can supply bench mounted bandsaws designed to cut metallic conduit easily.

To obtain EMC screening on pliable FLP conduit, the PVC sheath must be trimmed back prior to assembly.

Metal fittings should be nipped with grips or spanner to ensure securing and IP rating.

Face sealing washers may be required to maintain IP rating between systems.

The easiest way of installing cables into flexible and pliable conduit is to simultaneously draw in the cables with the conduit in straight condition before installation.

Errors, omissions and amendments excepted

Information given in this catalogue is for guidance only as our policy is one of continuous development and specifications may change. Flexicon is not liable for claims arising from product misuse.