



FPCB system

spiral reinforced pvc

FPCG, FPCGN & FPCBU system

spiral reinforced pvc with special properties



IP65

Conduit

FPCB

Construction: Smooth bore, helically formed PVC, flexible conduit with spiral UPVC reinforcement and flexible PVC jacket. Also available in UL recognised version (See ordering notes)

Colour: Black

Typical Applications: Routing of cables within machines.

FPCGN

Construction: Smooth bore, helically formed PVC, flexible conduit with spiral UPVC reinforcement and flexible PVC jacket.

Colour: Green

Typical Applications: As FPCB but where oil resistance is required. UL recognised.

FPCG

Construction: As FPCB except colour grey.

Typical Applications: As FPCB. UL recognised.

FPCBU

Construction: As FPCB except colour blue.

Typical Applications: As FPCB but where high temperature is required. UL recognised.

MPC

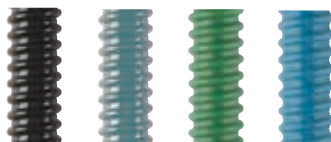
straight nylon compression fitting external thread

2 part compression fitting with internal spigot and all round external teeth to grip conduit. Available in Black or Grey (RAL 7001).

IP65



nominal size (mm)	FPC	Black part number	Grey (RAL 7001)	Green (RAL 6001)	Blue (RAL 5012)	min inside bend radius (mm)	reel length (m)	outside dia (mm)	inside dia (mm)
12		FPC12B	FPC12G*	FPC12GN*	FPC12BU*	30	14.5	10.0	25
16		FPC16B	FPC16G*	FPC16GN*	FPC16BU*	30	16.5	12.0	25
20		FPC20B	FPC20G*	FPC20GN*	FPC20BU*	30	21.0	16.0	35
25		FPC25B	FPC25G*	FPC25GN*	FPC25BU*	30	27.5	22.0	45
30		FPC30B*	FPC30G*			30	30.5	25.0	55
32		FPC32B	FPC32G*	FPC32GN*	FPC32BU*	10, 30	33.5	28.0	60
40		FPC40B	FPC40G*	FPC40GN*	FPC40BU*	10, 30	41.0	35.0	80
50		FPC50B	FPC50G*	FPC50GN*	FPC50BU*	10, 30	46.4	40.0	105
63		FPC63B	FPC63G*	FPC63GN*	FPC63BU*	10, 30	57.0	50.0	120



metric thread part number	PG thread part number	NPT part number
MPC-12-M16	MPC-12-PG9	
MPC-16-M16	MPC-16-PG11	
MPC-16-M20	MPC-16-PG13	MPC-16-050
MPC-20-M20	MPC-20-PG16	MPC-20-050
MPC-25-M25	MPC-25-PG21	MPC-25-075
MPC-30-M32*	MPC-30-PG29*	
MPC-32-M32	MPC-32-PG29	MPC-32-100
MPC-40-M40	MPC-40-PG36	MPC-40-125
MPC-50-M50	MPC-50-PG42	MPC-50-150
MPC-63-M63	MPC-63-PG48	MPC-63-200

Ordering Notes

- Add reel length eg: FPC20B-30M for 30M
- * Indicates parts made to order on request and may be subject to MOQ and lead time
- For UL recognised black conduit order FPCURB*

- **Available on request:**
 - additional sizes
 - alternative threads
 - other colours



properties

- Highly flexible
- Accepts torsional movement
- Vibration and shock tested to EN61373 Cat 2
- IP rating: IP65
- Temperature range
 - 5°C to +70°C (FPCB - Black)
 - 20°C to +70°C (FPCG - Grey)
 - 20°C to +70°C (FPCGN - Green)
 - 20°C to +90°C (FPCBU - Blue)
 - 5°C to +70°C (LTS - Silver Grey)
- Metric threads supplied complete with locknuts
- FPCB (Black) is UV resistant
- FPCGN (Green) is oil resistant
- FPCBU (Blue) is high temperature
- Self extinguishing
- FPCG, FPCGN, FPCBU and FPCURB are UL recognised to UL1696 for use in US and Canada
- LTS (Silver Grey) is smooth outer and smooth bore



MPC90

90° elbow nylon compression fitting external thread

2 part compression, 90 degree elbow fitting with internal spigot and all round external teeth to grip conduit. Available in Black or Grey (RAL 7001).

IP65



MPC45

45° elbow nylon compression fitting external thread

2 part compression, 45 degree elbow fitting with internal spigot and all round external teeth to grip conduit. Available in Black or Grey (RAL 7001).

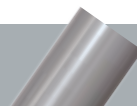
IP65



LTS

smooth bore liquid tight sheathing

PVC, Silver Grey sheathing ideal for routing cables within machines. IP66 rating when used with MPC fittings.



metric thread
part number

PG thread
part number

NPT
part number

metric thread
part number

NPT
part number

LTS

part number

reel length (m)

outside dia (mm)

inside dia (mm)

nominal size (mm)

MPC90-16-M16	MPC90-16-PG11									12
MPC90-16-M20	MPC90-16-PG13	MPC90-16-050								16
MPC90-20-M20	MPC90-20-PG16	MPC90-20-050	MPC45-16-M20	MPC45-16-050	LTS16SG-50M	50	16.5	12		16
MPC90-25-M25	MPC90-25-PG21	MPC90-25-075	MPC45-20-M20	MPC45-20-050	LTS20SG-50M	50	21.0	16		20
			MPC45-25-M25	MPC45-25-075	LTS25SG-50M	50	27.5	22		25
										30
MPC90-32-M32	MPC90-32-PG29	MPC90-32-100	MPC45-32-M32	MPC45-32-100	LTS32SG-50M	50	33.5	28		32
MPC90-40-M40	MPC90-40-PG36	MPC90-40-125								40
										50
										63

Standards



BS EN IEC 61386



* refer to conduit properties for applicable standards

Technical Drawing

