

Construction

The Construction sector relies on safe and effective Cable Protection to ensure the safety of People and Property. Electrical faults or failures can have disastrous consequences and can jeopardise necessary critical services.

Whether it is a Hospital, Financial Institution, Airport, Hotel, Warehouse or Datacentre the continuous and safe availability of services is paramount.

The nature of construction and building sites often means that last minute changes are a necessity. No matter how detailed or comprehensive the plan, changes in response to unforeseen circumstances or environments is common.

Routing cables through flexible conduit can help to protect and reduce the mechanical stress on cables, ensuring that cable bend radius' are not exceeded.

Off site or modular construction is constantly developing due to the necessity to reduce build time and improve repeatability. Flexible Conduit can play an important role in the protection of wiring runs and pre-terminated connections to deliver a plug and play solution.

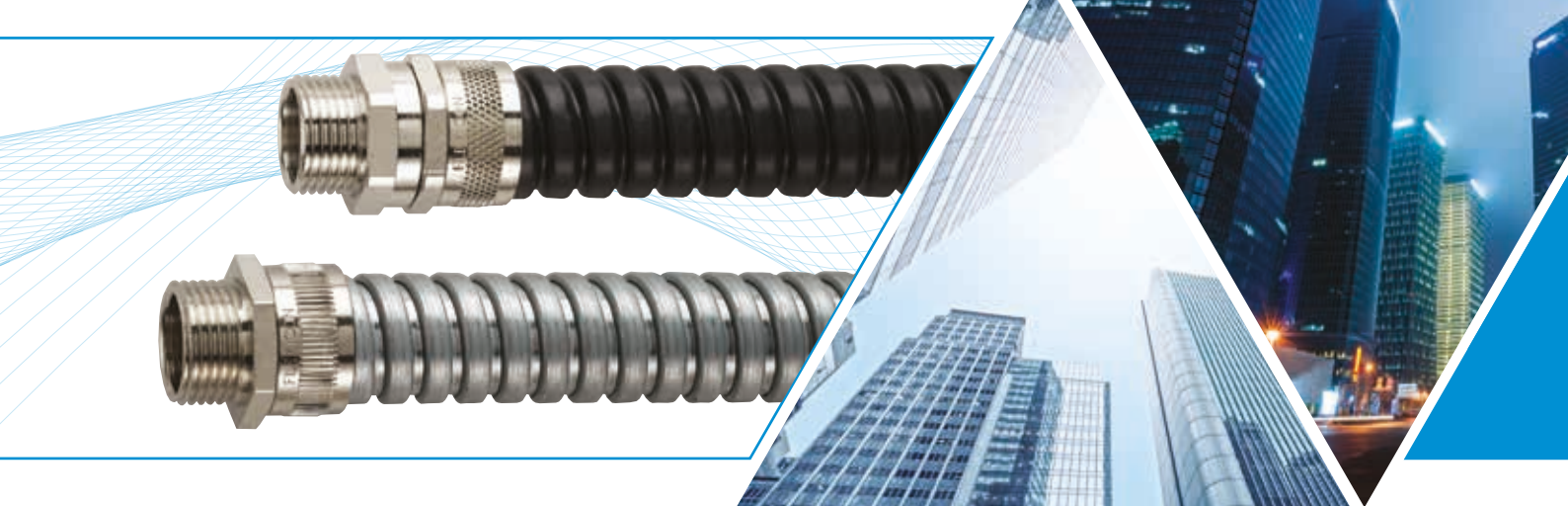
Flexible conduit can be either surface mounted or hidden within the fabric of the building. This can be under floors, above ceilings, down walls or inside concrete pours.

Sometimes conduits are part of the aesthetic design, with services visible as part of the look of the building.



BS EN IEC 61386





Typical Hazards & Product Considerations

• Ingress Protection



• Impact



• Fire Performance



• Temperature



• Corrosion



• Aesthetics

Example applications

- Lighting
- CCTV
- IT / Data
- HVAC
- Building Controls
- BEMS / BMS

- Emergency Lighting
- Alarm Systems
- Access Controls
- Fire Safety, detection and protection
- Plant Room Equipment

- Switch Gear
- Distribution Boards
- Temporary Site Power
- Lightning protection
- Escalators and Lifts
- Refrigeration

Typical Products



- FU - Galvanised Steel



- FSU - PVC Coated Galvanised Steel



- LFHU - LFH Coated Galvanised Steel



- FPAS - PA6 Corrugated



- FPP - Polypropylene



- LTPUL - PVC Coated Liquid Tight UL

Product installation examples:



- FU – Commercial Offices - Underfloor wiring to Distribution Boxes



- FSU – Plant rooms or connection of services - HVAC



- FU/LFHU – Public or municipal buildings – Emergency Lighting / CCTV where fire safety is paramount



- Nylon Systems – Pre fabricated Buildings – Wiring from Distribution Board



- Polypropylene – Acid resistant suitable to be buried in Concrete