

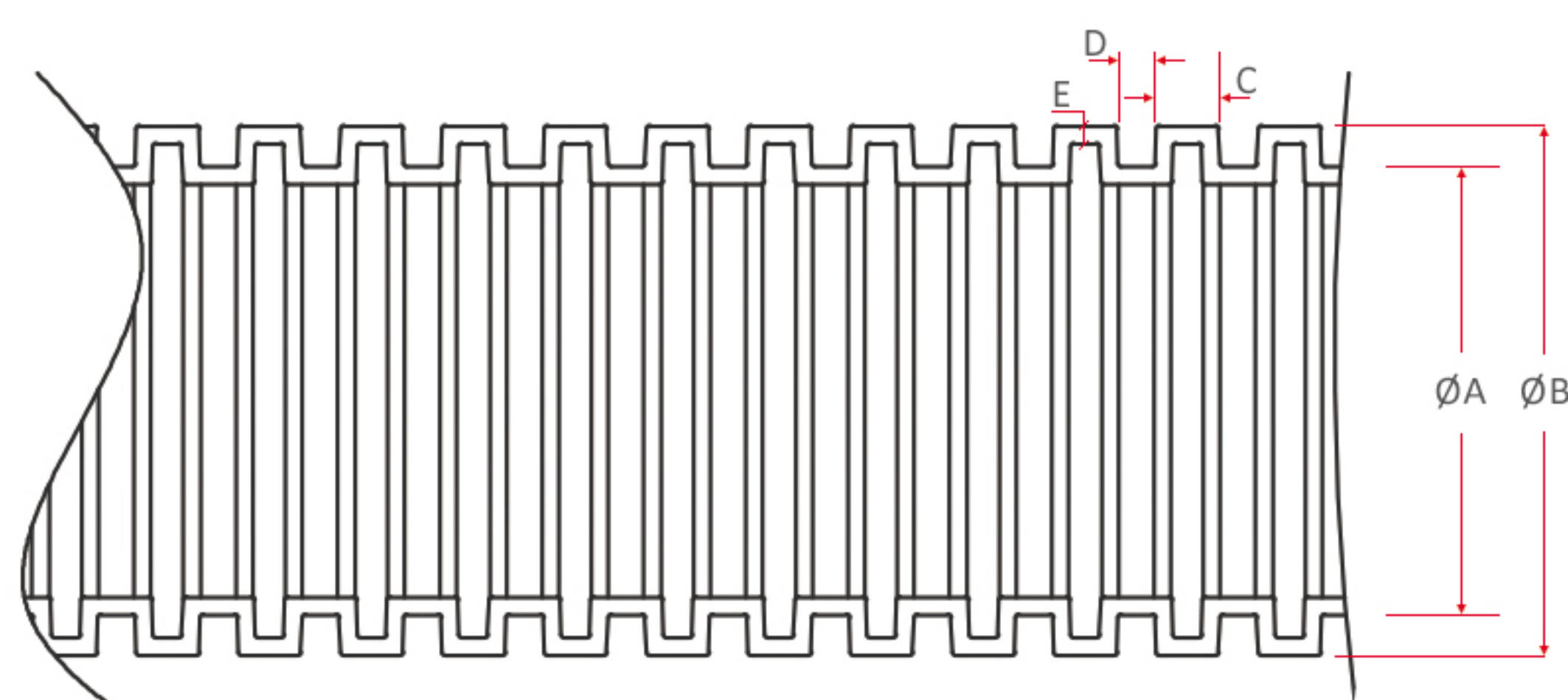
POLIRAN

Flexible Conduits



Features and Advantages

- Available in two types:
 - PE-FC; made from polyethylene and available in yellow, red, blue and black colours
 - PP-FC; made from flame retardant polypropylene in grey colour
- Halogen-free materials; Minimizing fire casualties
- Flame retardant in accordance with B1 classification of DIN 4102 standard in PP-FC type
- UV-resistant in PE-FC-Black type
- Suitable for use in room temperatures up to 95°C
- High chemical resistance in accordance with ISO 10358
- Flexible and robust; easy and fast installation and high impact resistance
- Minimum wastage unlike brittle materials such as PVC
- Liquid-tight; suitable for protection against fluids, oils, coolants, etc.
- Manufactured with the latest technology



50	40	32	25	20	
40.6	32.1	25.0	19.5	14.3	ØA (mm)
50.0	40.0	32.0	25.0	20.0	ØB (mm)
5.2	2.7	3.2	2.9	2.5	C (mm)
0.7	0.8	0.9	0.8	0.7	D (mm)
2.8	2.1	2.1	1.8	1.5	E (mm)

Construction Applications

- Building electrical wiring
- Protection of domestic/HVAC-R pipes
- Protection of critical power cables in crucial buildings, e.g., hospitals, metro stations, etc.
- Protection of security and CCTV cables
- Data cables protection, suitable for communication & data centers because of using halogen-free materials

Industrial Applications

- Automotive industry, Public transportation, Industrial machines, etc.
- CNC machines tool technology, Automatic machinery, Metal cutting & fabrication, Robotics
- Measuring instruments and sensors



Fire safety has become a huge issue in recent years. Researches show that the majority of deaths during fire were caused by inhalation of toxic gases and smokes that are produced by burning of dangerous materials that can easily be replaced by safer substances. Halogen-containing materials are most dangerous in case of fire and PVC is the most prevalent of them.

During a fire, halogen-containing materials emit corrosive and toxic gases. The toxic gases are a major hazard in enclosed spaces. Upon inhalation, it will quickly causes spasms and suffocation and result in death. The corrosive gases can damage building structure, electronic equipment and the like. This is a major focus at communication and data centers and telecommunication organizations that work with expensive high-tech electronic devices.

In recent years, huge fires have raised more awareness towards the usage of halogen free compounds in buildings and the usage of PVC in public places is banned or limited in many countries.

Poliran Flexible Conduits are Halogen-Free products.

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