



K-PLAST®

• FLEXIBLE CORRUGATED CONDUITS

Your Reliable Choice For The Protection
of Lighting Wiring and Optical Fibre Cable



Introduction

K-Plast® Corrugated Conduit is manufactured according to British Standard BS 4607 from high quality High Density Polyethylene (HDPE). It is suitable for a wider range of application, including the protection of lighting wiring and is extensively used as sub-duct for Optical Fibre Cable.

During installation, fittings may be used to join the conduits to meet the required lengths.

K-Plast® Corrugated Conduits are available in two colours : black and white. In order to meet specific installation requirements, both grades of non-fire retardant and fire retardant is available.

Dimensions

Nominal Size	Outer Diameter	Inner Diameter	Description	Standard Coil Length
16mm	16mm	12mm	K-Plast 16mm Flexi Corrugated Conduit	50M
20mm	20mm	16mm	K-Plast 20mm Flexi Corrugated Conduit	50M
25mm	25mm	20mm	K-Plast 25mm Flexi Corrugated Conduit	50M
32mm	32mm	25mm	K-Plast 32mm Flexi Corrugated Conduit	25M / 500M
40mm	40mm	34mm	K-Plast 40mm Flexi Corrugated Conduit	25M / 500M
50mm	50mm	44mm	K-Plast 50mm Flexi Corrugated Conduit	25M / 500M

Advantages

- Ability to self extinguish in event of fire
- Excellent mechanical properties over a wide range of temperature
- Chemically inert to most acids and chemicals
- High compressive strength
- Lightweight, flexible and easy to install
- Can be cut easily by cutter or knife
- Do not kink due to superior flexibility
- Available in continuous length reducing the number of joints
- Abrasion resistant and relatively low coefficient of friction



Physical Properties

Property	Unit	Minimum Value
Density	g/cm ³	0.9
Yield Strength	kg/cm ³	300
Ultimate Strength	kg/cm ³	450
Ultimate Elongation	%	800
Flexural Modulus	kg/cm ²	12000
Notched (-20oC)	kg-cm/cm	4.5
Rockwell Hardness	R scale	88
HDT (46kgf/cm ²)	cc	102
Shrinkage MD/TD	1/1000	15/14
Water Absorption	-	negligible



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