

# Flexi-Spiral®

• HDPE SPIRAL PIPE

Your reliable choice for underground Cable  
Protection Under Restricted Terrain

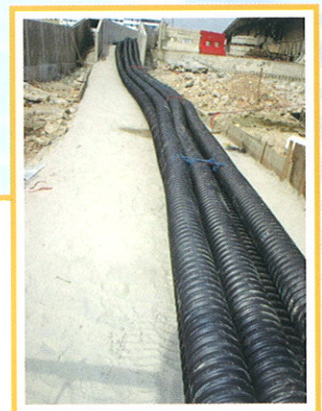


## Introduction

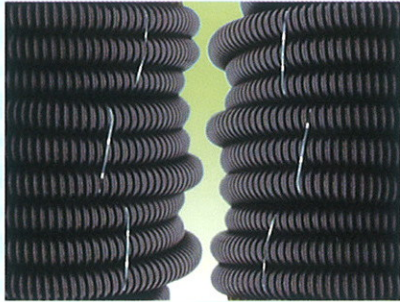
Flexi-Spiral® HDPE pipe is specially designed for the protection of underground telecommunication and power cables from the damages caused by soil and load pressure exerted on the cables. Flexi-Spiral® HDPE pipe offers excellent insulation abilities and serves as a good protective layer for cable from external exposure. It is available in both fire retardant and non-fire retardant grades to meet different installation requirements.

Flexi-Spiral® HDPE pipe is made of High Density Polyethylene (HDPE) which is one of the most chemically inert of all plastics raw material. It offers excellent chemical and corrosion resistant. This allows for considerable savings in rehabilitation and maintenance of pipes as compare to other pipe materials.

Due to the high flexibility and good bending capability, Flexi-Spiral® HDPE pipe is good for application in areas whereby space is a concern in using rigid piping system. It is light in weight and available in coil form. The longer the coil, the fewer couplings joints are required thus enables fast, easy laying and installation of cable.



## Advantages



- **Excellent compression strength**

The corrugated design structure of the Flexi-Spiral® HDPE pipe prevents possible deformation arising out of external pressures which can cause collapse in the ground.

- **Excellent flexibility**

Flexi-Spiral® HDPE pipe corrugated design offers high flexibility, depending on its sizes, it can be bend as much as 10-40 times of the pipe diameters. During laying, it follows the contours of the ground, changes directions in the trench, and adapts to underground obstacles more easily than rigid pipe, thus eliminates unnecessary pipe joints.

- **Excellent durability**

Flexi-Spiral® HDPE pipe made of High Density Polyethylene offers high chemical and corrosion resistance to external environmental factors. With the combination of its flexibility and strong mechanical properties, it is able to offer a longer working life span which easily exceeds 50 years.

- **Easy pull-in of cables**

The internal smooth surface of spiral corrugated design of the Flexi-Spiral® HDPE pipe reduces the coefficient friction thus facilitates the pull-in of cables.

- **Easy transport and handling**

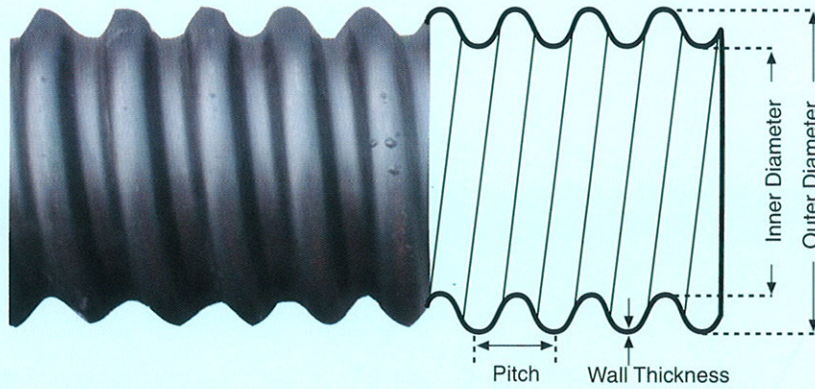
Being light in weight and its flexibility, Flexi-Spiral® HDPE pipes offers significant savings in labour, fast and easy handling and transportation.

- **Minimizes installation costs**

Flexi-Spiral® HDPE pipe is available in continuous length. It allows for greater convenience in installation, thus minimizes installation time, cost and material wastage.



## Flexi-Spiral Dimensions



Nominal Size (mm)	Outer Diameter (mm) Approx.	Min Inner Diameter (mm)	Length per roll (m)	Thickness Approx.	Pitch (mm)
50	64	50.0	200	2.0	16
80	103	80.0	100	2.0	25
100	130	100.0	100	2.2	32
125	160	125.0	100	2.4	38
150	190	150.0	50	2.8	46
200	255	200.0	30	3.5	62

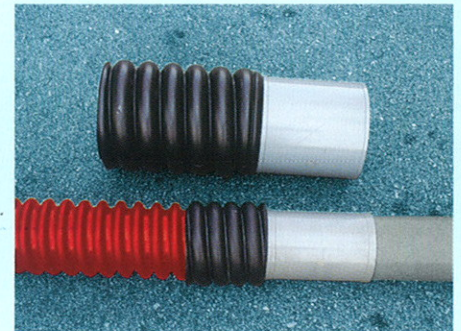
## Accessories



Screw in socket for straight pipe joint



End cap when wrap with sealing tape and secure with PVC tape acts as waterproof cap.



Socket joint to PVC pipe

For full details and technical data, please contact us at

### Creative Polymer Industries Pte Ltd.

201 Kranji Road  
Singapore 739480  
Tel: (65) 6261 6266  
Fax: (65) 6261 3337  
Email: [info@cpi.com.sg](mailto:info@cpi.com.sg)  
Website: [www.cpi.com.sg](http://www.cpi.com.sg)

### K-Plast Technology Sdn Bhd. (645306-V)

Lot 7012, Batu 23, Jalan Air Hitam  
81000, Kulai, Johor, Malaysia  
Tel: (607) 652 3133  
Fax: (607) 652 5133  
Email: [info@flexidrain.biz](mailto:info@flexidrain.biz)  
Website: [www.flexidrain.biz](http://www.flexidrain.biz)