



Cable Protection Systems

High-performance polyethylene pipes designed to protect electrical and telecommunication cables

Pipelife cable protection pipes provide durable and flexible infrastructure solutions for protecting underground electrical and communication cables. These systems ensure long-term protection against mechanical damage, environmental conditions and soil movements.

- **Superior mechanical protection** for underground cables
- **Flexible pipe design** allowing easy installation in complex routes
- **Long service life with minimal maintenance**
- **High resistance to environmental impacts**

Technical details

Material: High-density polyethylene (HDPE)

Pipe types: Solid

Diameter range: Ø40 mm – Ø200 mm

Installation type: Underground cable protection

Connection types:

- Socket connection
- Coupling fittings

Usage

Typical installation environments:

- Underground electrical cable routing
- Telecom network infrastructure
- Industrial cable installations

Product features

High impact resistance

Excellent flexibility and durability

Resistant to chemicals and moisture

Easy installation and handling

Application areas

- Power transmission networks
- Telecommunication infrastructure
- Renewable energy installations
- Urban infrastructure projects

Mechanical Properties

Property	Unit	Value
Material		HDPE
Ring Stiffness	kN/m ²	SN4 / SN8
Impact Resistance		High
Operating Temperature	°C	-20 to +60
UV Resistance		Yes
Installation Type		Underground

Cable Duct Dimensions

Outside Diameter (mm)	Inside Diameter (mm)	Wall Thickness (mm)	Typical Use
40	2.0	4.0	Telecom cables
63	3.0	6.0	Electrical cables
90	5.8	8.0	Medium voltage cables
110	8.2	10.0	Power networks
160	10.0	14.0	High-capacity cable ducts



Scan the QR code to explore our full range of cable protection systems

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