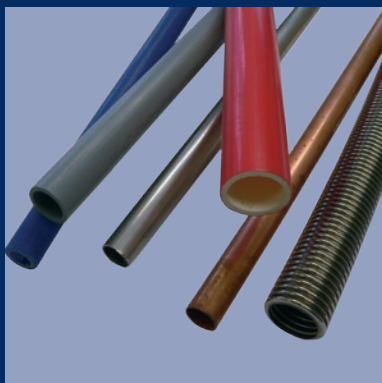




*The universal protection
for pipes and cables*



taking care of energy and environment



PROTECTUBE insulation duct can be used as a universal duct to protect all kinds of pipes and cables and is suitable for many different fields of application, for example:

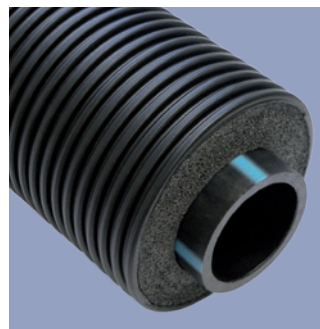
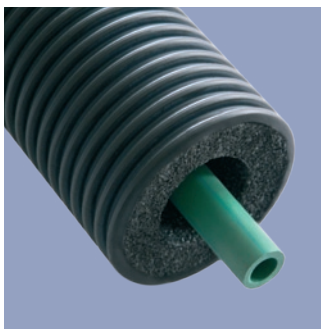
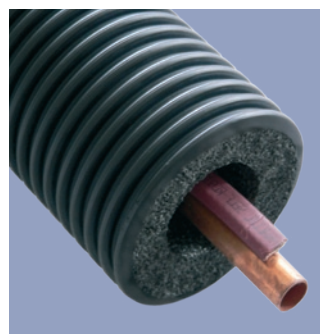
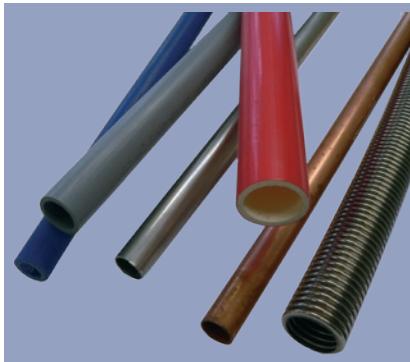
- River crossing
- Lines beneath the railway
- Crossings in street areas
- Feed lines for heat pumps
- Beneath buildings
- In concrete foundations

And a good deal more...

PROTECTUBE duct is easy to use – hold the insulation duct steady or lay it flat and insert the pipes / cables you wish to protect.

If using a carrier pipe with a heating cable – attach the cable to the carrier pipe with a bonding tape – then insert both into the insulation duct.

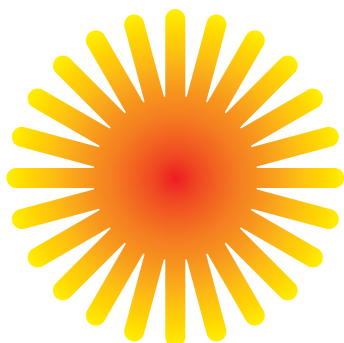
To seal PROTECTUBE duct from water ingress, use our rubber end caps – first cut the end cap according to the pipe/cable dimension – push end cap over the pipe – then over the outer casing.



The optimal protection is provided by the following features:

PROTECTUBE is robust and flexible at the same time. It can be used for a temperature range from -80°C to $+95^{\circ}\text{C}$. The minimum bending radius for 90/45 is 0,3 mtr. It offers ideal

protection for thermally and mechanically sensitive pipes and cables.



UV Protection



Freezing Protection

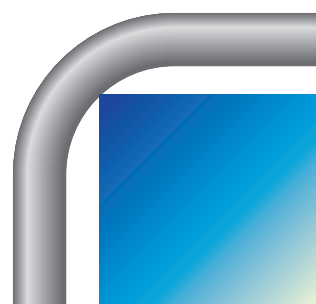


Heat Protection

All features in one product
PROTECTUBE
Insulation duct



Weather Protection



Mechanical Protection

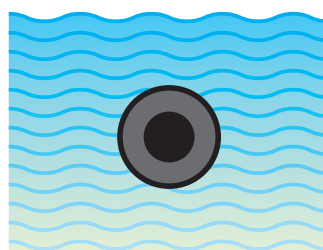
The foam is made from extruded polyolefin with a robust inner / outer skin. The foam has been specially developed by Thermaflex and is fully bonded to the PE outer casing. The outer casing is made of HDPE and offers superior protection against moisture and mechanical loads. Due

to PROTECTUBE's light weight and flexibility, it is easy to insert pipes and cables. It is also possible to replace the inner pipes and cables at any time.

PROTECTUBE Insulation duct is particularly environment-friendly – made from recyclable and non toxic materials.



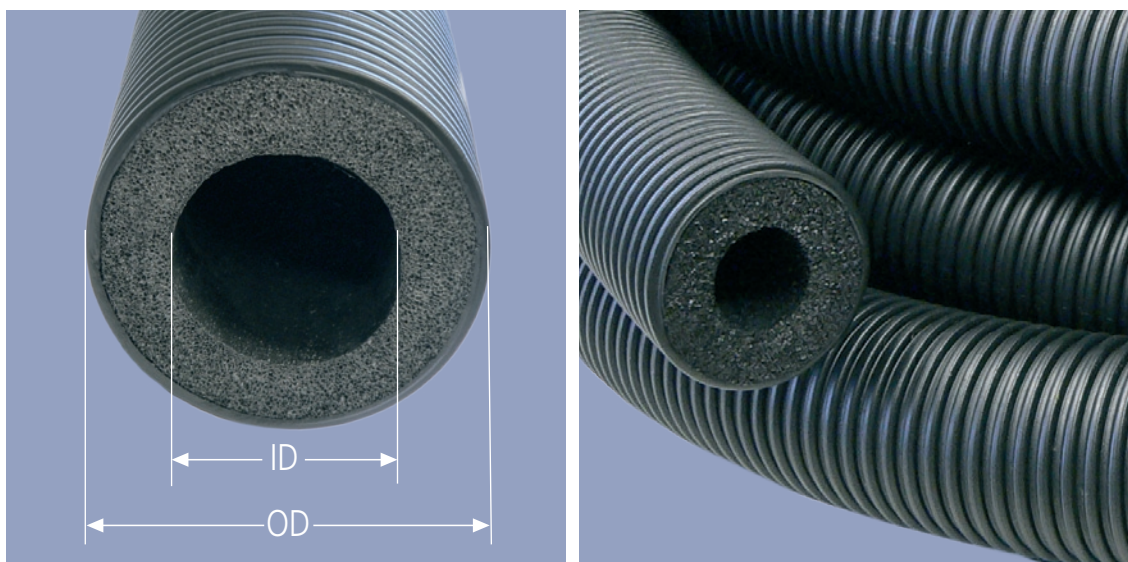
Traffic load Protection



Moisture Protection



Environmental Protection



Dimensions

Designation	Outer casing O.D. (mm)	Insulation I.D. (mm)	Lengths* m	Bending radius m
FV+ISR90	90	40/45	10	0,30
FV+ISR125	125	63/68	10	0,40
FV+ISR160	160	90/95	10	0,60
FV+ISR200	200	110/115	10	0,80

* other lengths on request

Physical properties

Physical properties	System component	Technical Data
Colour	Outer casing	black
UV resistant	Outer casing	yes
Temp. Range	Insulation	-80° C to +95° C
Water vapour resistance	Insulation	> 3.500
Thermal conductivity	Insulation	0,031 W/mK at 50° C
Fire classification	Complete System	B2

www.thermaflex.com



908240-EN

All information herein is a general indication only and not legally binding. It is subject to change without notice.