

Product:

Smooth surface PE cable protection pipe

Conformity:

EN 50626-2 - Conduit systems buried underground for the protection and management of insulated electrical cables or communication cables - Part 2: Polyethylene (PE), Polypropylene (PP) or Unplasticized poly(vinyl chloride) (PVC-U) conduit systems - Requirements for solid wall conduits, fittings and the system used in special applications

Pipelife Eesti AS, the manufacturer of above mentioned products holds the certificate of conformity no. ET-0430-25, issued by Inspecta Estonia OÜ, that certifies that above mentioned products fulfill the requirements of the standard EN 50626-2. Pipelife Eesti AS holds the certificate of conformity no Q-112-24 issued by Inspecta Estonia OÜ assuring that the quality management system of Pipelife Eesti AS conforms to the requirements of the standard ISO 9001:2015. Pipelife Eesti AS holds the certificate of conformity no Q-112-24 issued by Inspecta Estonia OÜ assuring that the environmental management system of Pipelife Eesti AS conforms to the requirements of the standard ISO 14001:2015.

Marking:

Marking defines: Application area, standard no, manufacturer, nominal outside diameter x nominal wall thickness, resistance to impact (class), resistance to compression, raw material, batch no, shift no, manufacturing date, "CE" mark.

Packing:

Pipe coil length is 100 meters or pipe length is 6 or 12 meters.

Parameters:

Nominal outside diameter d_{em} :	110 mm
Maximum outside diameter $d_{em,max}$:	110,7 mm
Nominal wall thickness $e_{n(min)}$:	6,6 mm
Minimum inside diameter $d_{im,min}$:	95 mm
Ovality tolerance min-max (non coil):	2,2 mm
Material:	PE (polyethylene)
Color:	red with white stripes
Ringstiffness:	SN16
Resistance to compression:	1250 [N]
Resistance to impact (class)	N (normal)
Bending:	Rigid
Application temperature:	-25 °C until +90 °C
Max allowed short term internal pressure:	10 bar
Application area:	conduit systems buried underground
Recommended jointing method:	butt welding: Welding process according to parameters set in standard DVS 2207-1. Hot plate temp 215±5 °C, heating time 65 sec, cooling time under the pressure 15 min, after removing from equipment and before installation cooling time 15 min, at ambient temp 21 °C. Joining pressure 0,15 N/mm2. Joining force 322N. For joining hydraulic pressure check the manual provided with used welding equipment!
Possible installation method:	trenchless installation: maximum admissible short term pulling strength at 20 °C is 17 kN = 1733 kg; calculated with allowable stress 10MPa and butt welding factor 0,8 (if used butt welding).