

Трубы для защиты кабеля гофрированные, однослойные, гладкие PVC PTT, PE, HDPE

Технические характеристики

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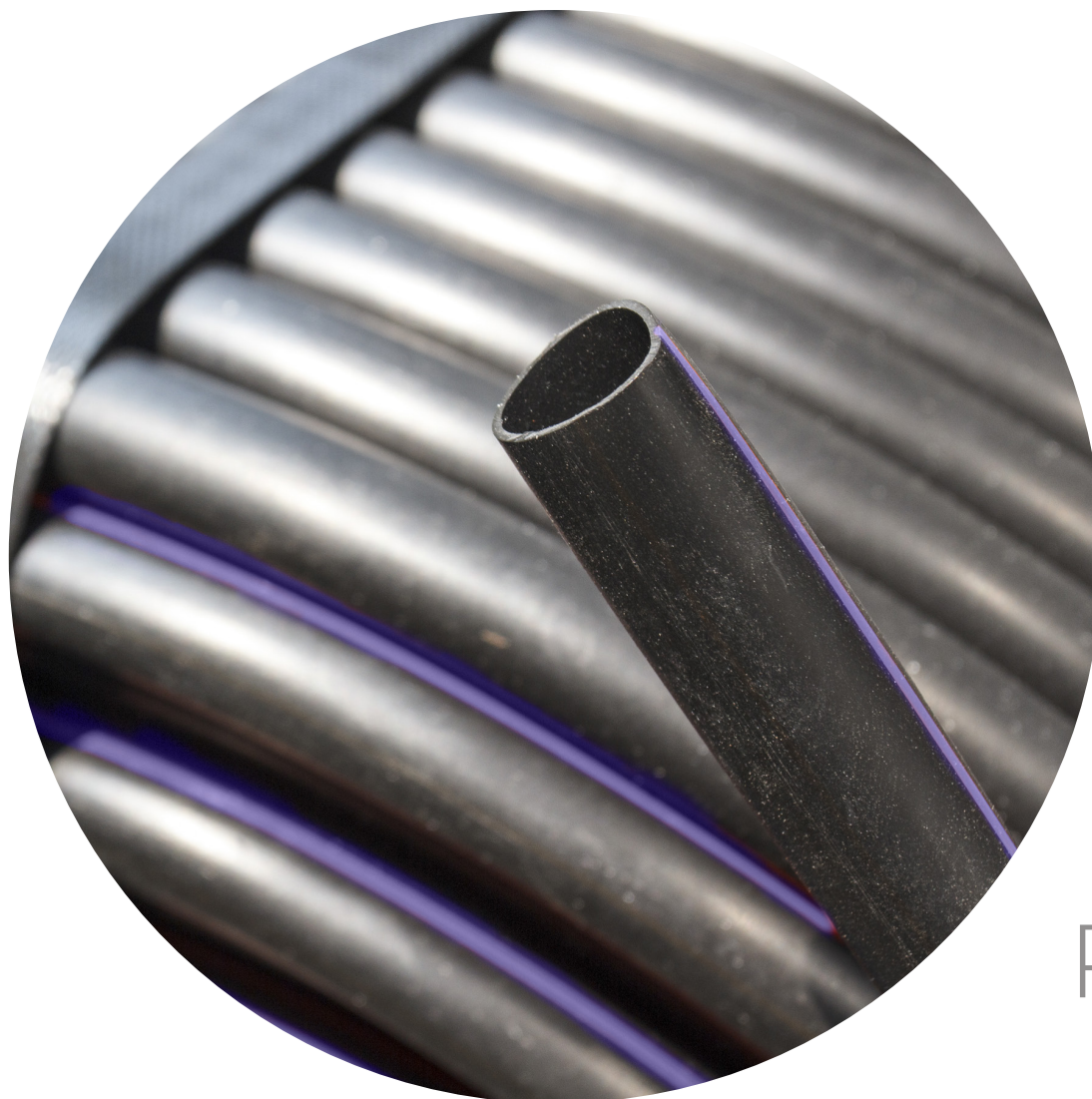
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SMOOTH
PIPES FOR
CABLE
PROTECTION

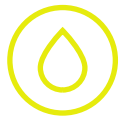


WE ARE

a private company Peštan, leader in the Balkans in the production and distribution of products and solutions from the polymers.

Company was founded in 1989 and has been producing water pipes made of polyethylene.

Over time, we introduced new materials (polypropylene and PVC) and expanded product range. Today, in our offer you may find more than 6500 products, divided into four categories:



**PIPING
SOLUTIONS**



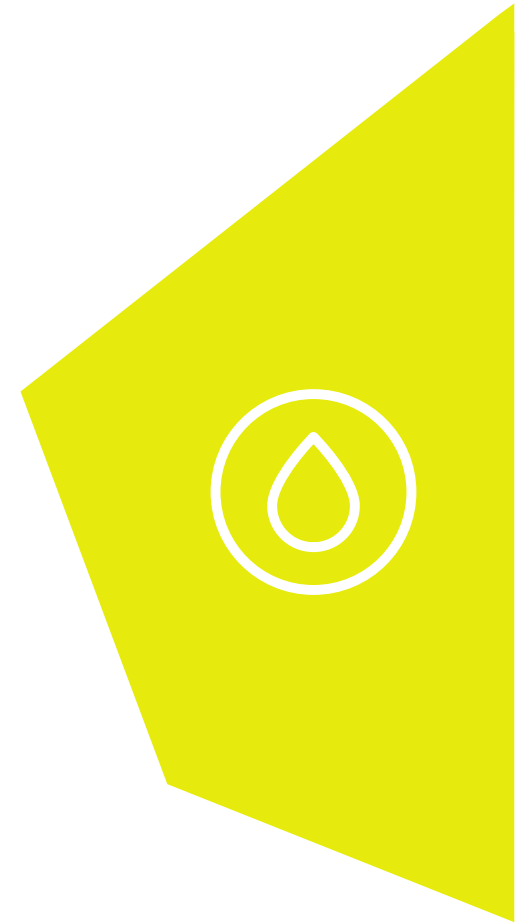
**DRAIN
SOLUTIONS**



**AGRICULTURE
SOLUTIONS**



**HOUSEHOLD
SOLUTIONS**

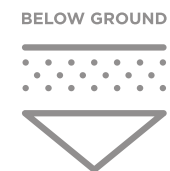


Edition 5



SMOOTH PIPES FOR CABLE PROTECTION

Polyethylene smooth pipes for cable protection



Are prepared by SRPS-EN12201, DIN8074-8075, ISO 4427 and ISO 4065

HDPE PE-80	
CODE	D (MM)
11199198	Ø20
11199200	Ø32
11199201	Ø40
11199202	Ø50
00000000	Ø63
00000000	Ø75
11199205	Ø90
11199206	Ø110



HDPE cable protection pipes are made of high quality polyethylene PE 80. They are produced in black color and have 4 coextruded light purple lines, which are arranged around the perimeter of the tube. HDPE cable protection pipes have a smooth outer surface and the inner surface of the pipe is with grooves. HDPE cable protection pipes are UV stable.



SINGLE LAYER
CORRUGATED
PIPES

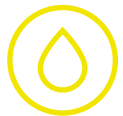


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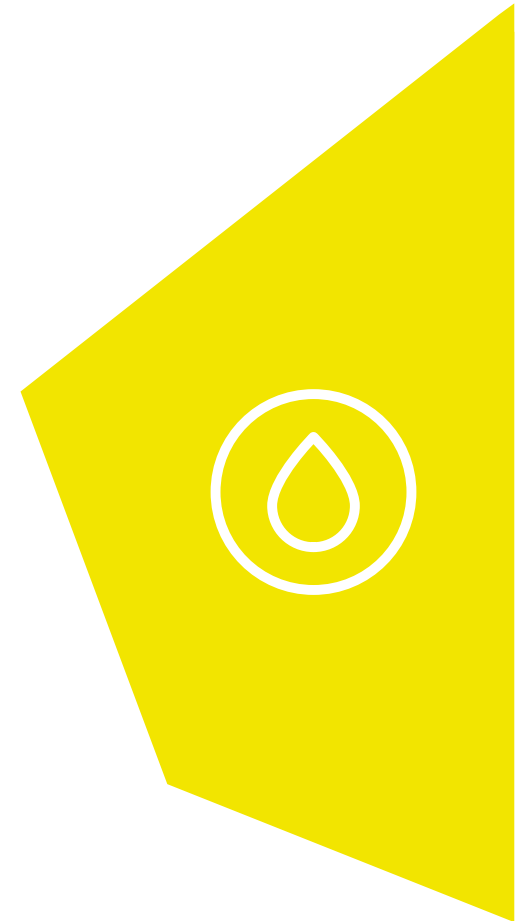
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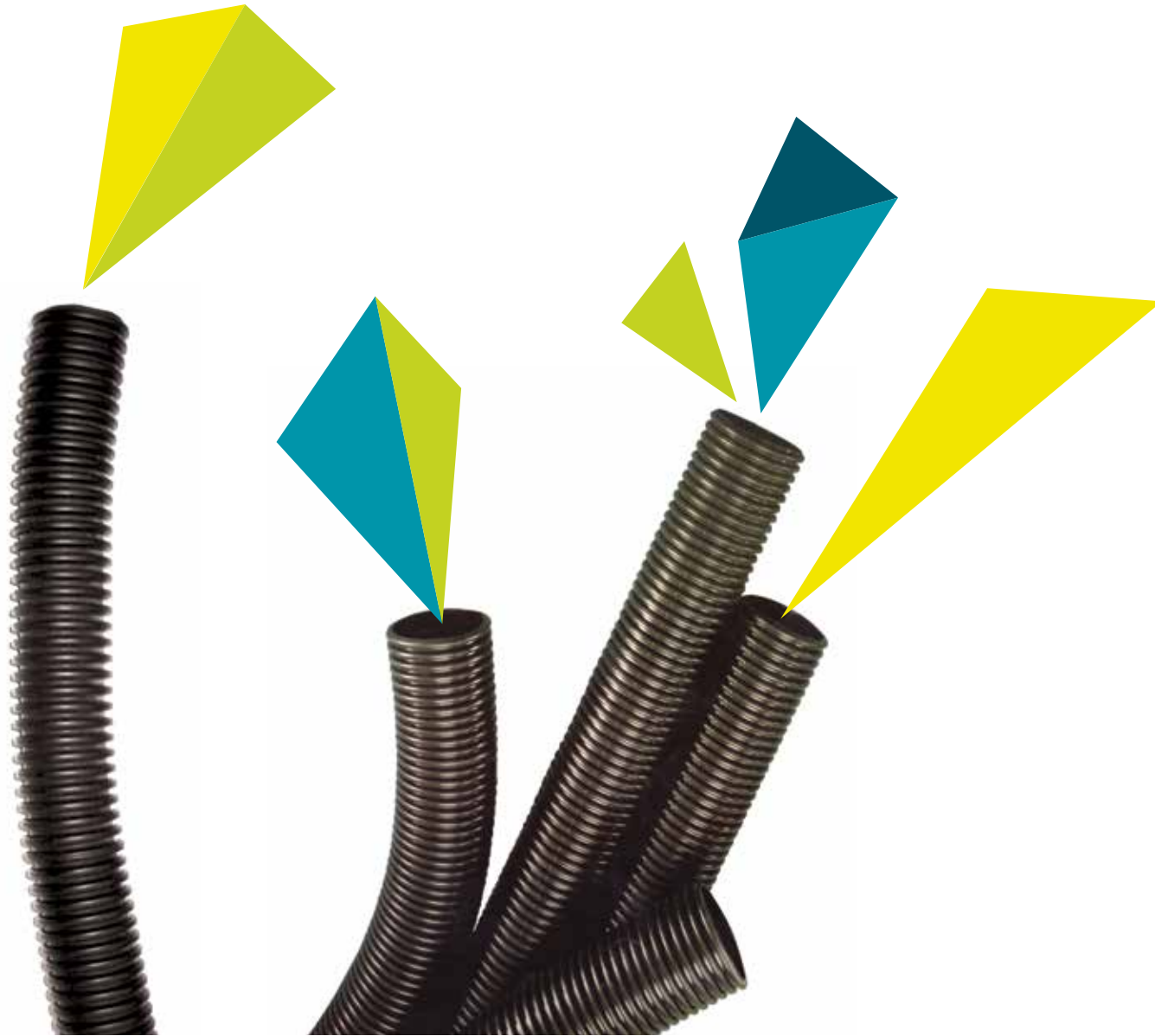


Edition 5



SINGLE LAYER CORRUGATED PIPES





SINGLE LAYER ELECTRO INSULATING CORRUGATED "THROAT" PIPES

They are used for power and PTT installations in industrial and construction building. They are placed in the mortar and in concrete layer. Cables can be inserted quickly and easily inside the pipes, even on curved surface. These pipes are produced in accordance with DIN49018

CODE	OUTSIDE DIAMETER MM	INSIDE DIAMETER MM	MIN INSIDE DIAMETER WHEN BENDED MM
10900101	Ø20	Ø14	100
10900102	Ø25	Ø19	50
10900103	Ø32	Ø25	50



HDPE
CORRUGATED
CABLE
PROTECTION
PIPES

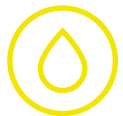


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SOLUTIONS**



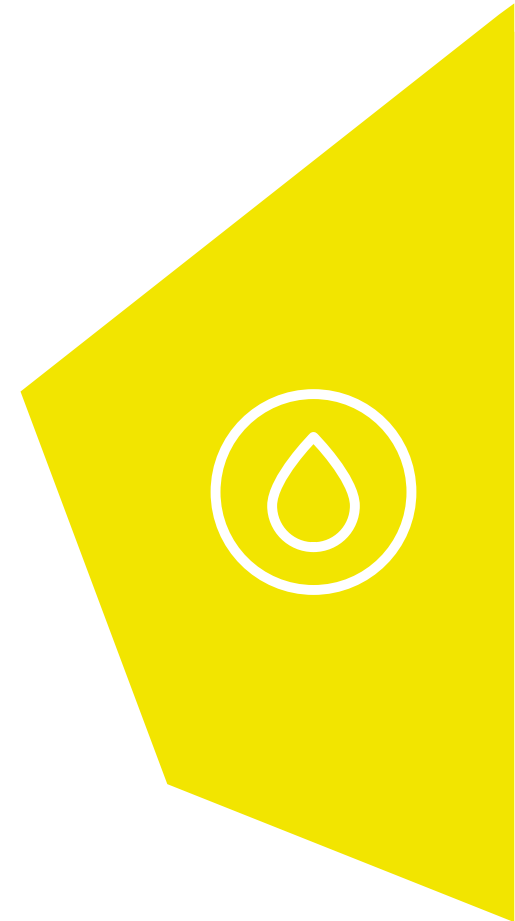
**BATHROOM
SOLUTIONS**



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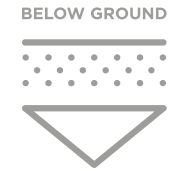
**HOUSEHOLD
SOLUTIONS**



Edition 8



HDPE CORRUGATED CABLE PROTECTION PIPES



Polyethylene double-layered corrugated pipes for cable protection

Are prepared by SRPS-EN12201, DIN8074-8075, ISO 4427 and ISO 4065.

HDPE PE-80	
CODE	D (MM)
11199202	Ø50
0000000	Ø75
11199205	Ø90
11199206	Ø110
0000000	Ø125
0000000	Ø160
0000000	Ø200



HDPE
CORRUGATED
CABLE
PROTECTION
PIPES

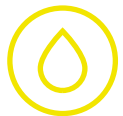


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**PIPING
SOLUTIONS**



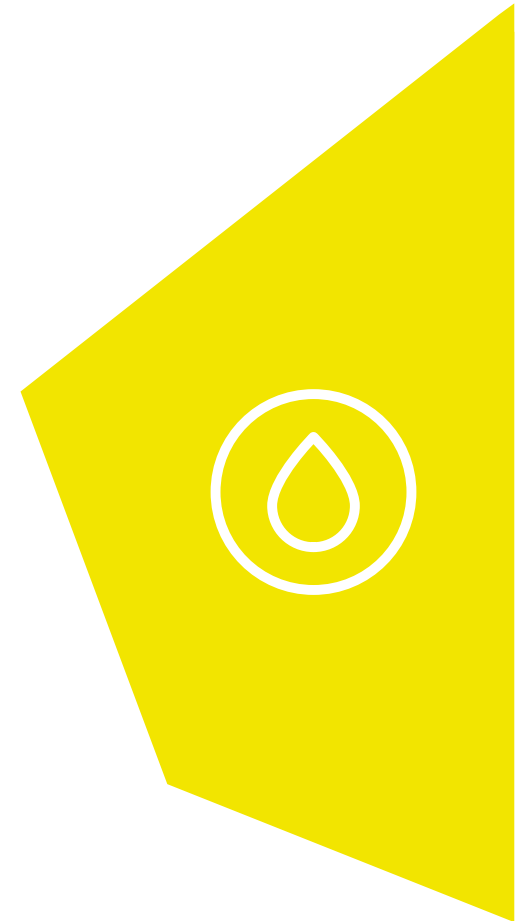
**BATHROOM
SOLUTIONS**



**AGRO CULTURE
SOLUTIONS**



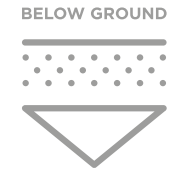
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SOLUTIONS**



Edition 8



HDPE CORRUGATED CABLE PROTECTION PIPES



Polyethylene double-layered corrugated pipes for cable protection

Are prepared by SRPS-EN12201, DIN8074-8075, ISO 4427 and ISO 4065.

HDPE PE-80	
CODE	D (MM)
11199202	Ø50
0000000	Ø75
11199205	Ø90
11199206	Ø110
0000000	Ø125
0000000	Ø160
0000000	Ø200

PVC PIPES FOR CABLE PROTECTION

Technical Data Sheet

Applications

Pestán pipes for CABLE PROTECTION are intended for the protection of TELECOMMUNICATION and POWER cables, inside and outside the building.

PRODUCT DESCRIPTION

Peštan PVC cable protection pipes are made of unplasticized polyvinyl chloride according to norm EN 1401 and EN13476. Pipes are meant for underground or indoor appliance of cables. In case of laying the pipe with direct contact to sun light it is necessary to apply UV protective measures. These pipes are waterproof, concrete components and other construction materials, corrosion and other outer effects. Pipes are electric insulator and do not contribute to spreading fire. Buyer can choose the color and in standard offer we have red and yellow. Smooth inner layer makes laying of cables easier. In case of insufflation of the cable the joints of these pipes are not meant for pressure above 0.5 bar.

MECHANICAL AND PHYSICAL CHARACTERISTICS

Light material, easy and quick storage and manipulation. Easy transport, simple and cheap assembly. The operation of connecting two PVC pipes does not take longer than 1 minute. The pipes have smooth walls, so laying the cables is quick and easy. A large number of pipes can be laid in the same trench, next to each other and one above the other. The joints are impervious to water and other fluids. Corrosion resistance in basic, acidic and aggressive environments. They are a good electrical insulator and are insensitive to stray currents. They are resistant to mechanical impacts. Pipes are resistant to aging (their service life is over 50 years).

PRODUCT AVAILABILITY

The dimensions in which they are made are 110, 125, 160, 200 mm, and the lengths are 6 m and 12 m. They are produced in red for power cables and in yellow for PTT cables.

DN	COLOR	WALL THICKNESS IN MM
110	Yellow	3,2 ^{±0.5}
125	Yellow	3,7
160	Yellow	4,7
200	Yellow	5,9
110	Red	3,2 ^{±0.5}
125	Red	3,7
160	Red	4,7
200	Red	5,9

CHEMICAL RESISTANCE

High chemical resistance to a large number of compounds.
*Plastic pipes and fittings - Combined table of chemical resistance classification ISO/TR 10358.



TECHNICAL ASSISTANCE

For more information, you can contact PEŠTAN technical support or a regional sales representative.



BELNIIS - Belarus



MPA - Germany



VUPS - Czech Republic



BELNIIS - Belarus



GOST R - Russia



IGH - Croatia

PEHD CABLE PROTECTION PIPES

Technical datasheet

APPLICATIONS

Peštan PEHD pipes are intended for cable protection during underground installation or installation inside the building. Pipeline can follow configuration of the ground because of its elasticity that reduces couplings needed. Very flexible and extremely resistant to vibration, seismic strikes and ground movements.

PRODUCT DESCRIPTION

Peštan PEHD pipes are high quality pipes made of supreme quality polyethylene PE-80 and PE-100. The inner side of the pipe is very small toothed tines, which are obliged to reduce surface contact of cable and pipe and consequently the coefficient of friction, which results in very large lengths to which it is possible to insufflate optical cable. Peštan PEHD pipes for cable protection is produced under the norm EN 12201.

PRODUCT AVAILABILITY

Peštan HDPE pipes for cable protection are produced in all diameters like HDPE pipe for water, however, since the need for such large diameters is extremely rare standard products are considered to be the following diameters: Ø20 mm, Ø25 mm, Ø32 mm, Ø40 mm, Ø50 mm, Ø63 mm, Ø75 mm, Ø90 mm and Ø110 mm with length of 6000 mm (product in bars) or 50 m, 100 m or 200 m, depending on the diameter (product in the coil).

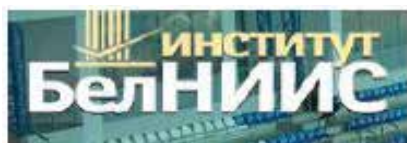
CHARACTERISTICS AND TECHNICAL DATA

Peštan HDPE pipes for cable protection are made of polyethylene PE 80 or PE 100, depending on the customer's requirements. Ring stiffness of the pipe is very large and depending on the diameter and type of pipe can be over 50 kN/m² and can be used in places increased load floor in accordance with the static calculation. HDPE pipes for cable protection are UV stable. Pipes are an electrical insulator and do not contribute to the spread of fire. Safety coefficient of PEHD pipes is 1,25. Bending radius is 20d. PEHD pipes have high abrasion resistance. Coefficient of linear extension for polyethylene is 1,3×10⁻⁴C⁻¹ (0,13 mm/m °C)



TECHNICAL ASSISTANCE

For more information about products please contact PEŠTAN technical support or regional salesman.



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	Norm	UOM	PE 80	PE100
Density on 23 °C	ISO 1183-1	g/cm ³	0,93	0,95
Mass flow	ISO 1133	g/10min	0,45	0,45
Tensile strenght	ISO 527	MPA	23	25
Elasticity modul	ISO 178	MPa	1000	1300
The coefficient of linear expansion	DIN 53 752	mm/m°K	0,18	0,18
Vicat softening point	ISO 306	C°	72	77
Thermal conductivity on 20°	DIN 53 612	W/m°K	0,4	0,38
Surface resistivity	DIN/IEC60167	Ω	>10 ¹⁴	VT>10 ¹⁴

DN	e _{min}	e _{max}
20	2	2.3
25	2	2.3
32	2	2.3
40	2.4	2.8
50	3	3.4
63	3.8	4.3
75	4.5	5.1
90	5.4	6.1
110	6.6	7.7

Table 1: Wall thickness

ASSEMBLY OF POLYETHYLENE PIPES

There are more ways of connecting polyethylene water pipes:

- Head welding
- Electro-fusion
- Compression fitting (up to diameter 125)
- Connecting sleeves and langes

Head welding and electro-fusion are being executed according to DVS 2207-1.

CHEMICAL RESISTANCE

Peštan PEHD pipes for cable protection are resistant to the influence of water, components found in concrete and other building materials, corrosion and other external influences. The chemical resistance of polyethylene allows working in salty and chemically aggressive soil. Plastic pipes and fittings - Combined chemical-resistance classification table ISO/TR 10358.

PE CABLE PROTECTION PIPES

Technical Datasheet

APPLICATION

Peštan corrugated PE pipes for cable protection are designed to protect cables in the underground installation or installation inside the building. They are produced in a class ring stiffness SN 4 and can be used in places with increased surface load in accordance with the static calculation. Smooth inner wall of the tube in bars facilitates pulling of the cables while for pipes in coils you can order the product with previously pooled rope for cable routing.

TECHNICAL DATA AND CHARACTERISTICS

- Pipes are two-layer with an outer profiled surface made of high density polyethylene HDPE, and internal smooth LDPE low density polyethylene.
- Pipes are made in class SN 4 on special request can be SN 8
- Peštan corrugated PE pipes for cable protection are made made of polyethylene in accordance with the following standards: SRPSEN50086-2-4 (DIN16961, NFC68-171) and SRPS-EN13476.
- Pipe testing is performed according to method EN 9969. In addition to strength pipe rings also meet external impact resistance (TIR test) tested according to the ISO 3127 method and according to the test conditions EN 13476-3.
- In the case of laying the pipe so that it is directly exposed to the sun light it is necessary to apply methods of protection against UV radiation.
- If the cable is blown, keep in mind that the connections to these pipes are not intended for pressures higher than 0.5 bar, so it is optimal blowing length 50 m in the case of a coil pipe.

PHYSICAL AND CHEMICAL RESISTANCE

Polyethylene allows installation in both salt and chemical aggressive soil. Chemical resistance ranges from pH2 -pH12. These pipes are resistant to water, components which are found in concrete and other construction materials, corrosion and other external influences. Pipes are electrical insulators and do not contribute to the spread of fire. Pipe flammability in class B2.

TECHNICAL ASSISTANCE

For more information you can contact PEŠTAN technical support or a regional sales representative in the field.



BELNIIS - Belarus



KIWA - Netherland



MPA - Germany



VUPS - Czech Republic



BELNIIS - Belarus



GOST R - Russia



IGH - Croatia



IMS - Serbia

PRODUCT AVAILABILITY

Peštan corrugated PE pipes for cable protection are produced in the following diameters: Ø75 mm, Ø90 mm, Ø110 mm, Ø125 mm and Ø160 mm and length 6000 mm (product in bars) or 50 m (product in coil).

The pipes are offered in two basic colors:

- Red for power cables;
- Yellow for telecom cables.

In case the customer chooses a pipe in a 50 m long coil it is possible to pass the intended rope through the pipe easier cable routing. At the customer's request, the coil can be longer than 50 m.

Product dimensions and codes:

POLIETILEN HDPE				
DIAMETER	RED		YELLOW	
	BAR	COIL	BAR	COIL
DN 50		10900327		10900347
DN 75	10900420	10900328	10900440	10900340
DN 90	10900421	10900321	10900441	10900341
DN 110	10900422	10900322	10900442	10900342
DN 125	10900423	10900323	10900443	10900343
DN 160	10900424	10900324	10900444	10900344



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