Cable protection

PVC PTT AND EL-EN PIPES
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PVC Pipes for cable protection
PVC PIPES FOR CABLE SYSTEMS

- Light material, easy and quickly to storage and manipulate
- Easy to transport, simple and cheap assembling process
- The process of connecting two PVC pipes doesn’t last for more than 1 minute, there for the interruptions of the traffic
- do not last very long

They have thin walls, so that the laying of the cables inside
- the pipes is very swift and simple

- In the same trench a large number of pipes can be laid next
- and on top of each other
- Connections are impermeable to water and any other fluids

- They are resistant to corrosion in alkaline, acid or any other aggressive environment
- They are fine electrical insulators and also resistant to stray currents
- They’re resistant to impact
- They are resistant to ageing (with the life time of more than 50 years)
- Pipe dimensions are 110x3,2 mm, with the length of 6m and 12m
- They’re produced in yellow color

These pipes are produced out of PEHD, according to EN 50086-2-4. Outside walls of the pipes are ribbed while the inner surface is smooth. Standard production length is 6m. They can be continued with the socket and rubber bend which is water, sand and dust impermeable. Pipes are produced in standard colors, yellow/black-for PTT cables, and red/black - for electro energetic installations, also in black/black because of greater stability when exposed to long term UV radiation. Deformation of the PVC Ø 110x3,2 and corrugated PEHD Ø110 pipes have been tested for comparison.

As a result, the diagram shows that the PEHD pipe is less deformed (figure 1). Figure 2. shows results of testing the straightening of the bended pipe (with the radius of 5m), it also shows better characteristics of ribbed PEHD pipe compared to PVC pipe with Ø110x3,2

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PVC pipes for energy and telephone cables are produced by EN1401, and serve to protect power cables.