

One Shoe L250

Single wall corrugated pipes electric and telecom

Buried cable protection conduits – light duty

The One Shoe L250 single-wall corrugated pipe is made of polyethylene (PE). The wall construction provides good resistance to compression (≥ 250 N) and impact light use (Series L with IK07 and IK08), standing out for its high flexibility.

DN (mm)	$\phi_{\text{int medio}}$ (mm)	Length Coil (m)	Bend radius (mm)	Technical requirements according to EN 61386-24 for L250 class
40	30.7	50.0 \pm 0.5	320	Compression test (5% ϕ_i): ≥ 250 N Impact test (3kg, -5°C): Light use (L series)
50	39.7	50.0 \pm 0.5	300	ϕ 40 and 50: 3 J (IK07) ϕ 63: 6 J (IK08)
63	51.4	25.0 \pm 0.5	378	Bending test: 90° Connection protection index: IP67 (box to box connection)



Pipes coils are supplied with PET pull-wire, makes easy the installation of cables.

Material: Polyethylene (PE) with pigments.

Visual aspect: Surface free of bubbles, cracks and cavities.

Colour: Red (\approx RAL 3020) for power cables and Green (\approx RAL 6018) for telecommunications.

Marking: Pipes are marked according to the example:

FIL OP N° 10-xxx (FIL traceability code)

TB OSH C/G DN yyMT

DATA: day/month/year



No flame retardant additives

Halogen-free LSZH (Low Smoke Zero Halogen): Avoiding acid and dense fumes in the event of fire.

Field of application

It can be applied to underground ducts for electrical or telecommunication and optical fiber cables, outside buildings with or without traffic loads, in conformity with all requirements of technical regulations for low voltage electrical installations (RTIEBT and European standards EN 61386-1 and EN 61386-24).

Remarks for installation



Cutting pipe can be done easily with a knife or scissor, eliminating any burrs.

It allows piping bending without the need of fittings.

Can be installed inside buildings (slab, wall, cage wall, projecting, mat, corete, roof and roof in cage)

One Shoe L250 pipes can be also installed buried between 0,8 to 6 m (above the pipe crown), in concrete formations, signaled by a green colored tape applied 15 cm above the formation block, or in sand and rock powder formations.

For concrete formations, special attention should be paid to:

- the need or not for shoring;
- prepare the support bed with 2 cm of beaten sand or gravel;
- laying and covering the pipes with at least 2 cm of C20/25 concrete duly vibrated using lateral formwork;
- the choice of filling materials, the shape of the filling layer of 15 to 30 cm applied after the concrete has dried and the degree of compaction of each layer.

For installation with rock dust wrapped formations without traffic loads, special attention should be paid to:

- the need or not for shoring;
- prepare the support bed with 5 to 10 cm of sand or rock dust and wrap the tubes;
- overlapping layers of pipes interspersed with a layer of sand or rock dust with 3 cm;
- the choice of filling materials, the shape of the filling layer from 15 to 30 cm and the degree of compaction of each layer.

The information and data assume is accurate and reliable.

The characteristics can be improved as a result of technological advances and improvements.

Our Quality Department is at your disposal for any clarification s.



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