

# TECHNICAL SHEET FOR CABLE PROTECTION CORRUGATED DOUBLE LAYER PIPES

- TECHNICAL SPECIFICATION FOR ENGINEERS -

Supply and laying of polyethylene double layer corrugated pipes, produced for continuous co extrusion of both layers. The manufacturer's Quality Management System is certified to ISO9001:2008.

Pipes are of black colour externally and black colour internally, supplied in 50 meter coils and 6 mt lengths, comprehensive of a jointing coupler and a polypropylene wire to pull the cables.

FlexPro is compliant with ISO SANS 61386-24 (CEI 23-46/V1) and this must be marked on the pipe. FlexPro has a product classification series N with a ring stiffness resistance higher than 450N.

## - GENERAL CHARACTERISTICS -

**CONSTRUCTION:** Double layer pipe, external corrugated of Black colour and smooth internally of black colour.

**APPLICATION:** Electrical cable protection (low and medium tension) and telephone cables.

**STIFFNESS RESISTANCE:** ISO SANS 61386-24 with deformation level of internal diameter equal to 5% **SABS** mark.

**STRUCTURE:** stable to UV rays with one year guarantee for date of production shown on the pipe.

**BENDING RADIUS:** 8 times the external diameter.

**LIMITS OF APPLICATION:** -50 °C / +60 °C

**LENGTHS:** in 50 meter coils and 6 m lengths

**ACCESSORIES:** Jointing coupler + pulling wire

**INSTALLATION:** Underground in trench.

## - TEST TYPE AND CONFORMITY -

### 1. TEST TYPE

- **Melt flow rate:** Ref. Standard ISO 1133: Condition 1T (test parameters: 190°C / 5 Kg /10 min.) on raw material on both layers.

- **Density:** Ref. Standard ISO 1183: (Test temperature: 23°C) on raw material on both layers.

### 2. CONFORMITY TEST

- **Visual control:** Ref. Standard ISO 4582 par. 3-4

- **Marking:** At 3 meters interval on pipe is typed longitudinal marking using correct and readable ink  
**Ex** (SPC FLEXPRO\_DN/OD\_...\_dd\_mm\_yy\_hour\_min\_ 450 N SANS\_ISO 61386-24\_HDPE)

- **Dimensions:** average external diameter (de), minimum internal diameter (dim)

- **Stiffness test:** Ref. Standard ISO SANS 61386-24

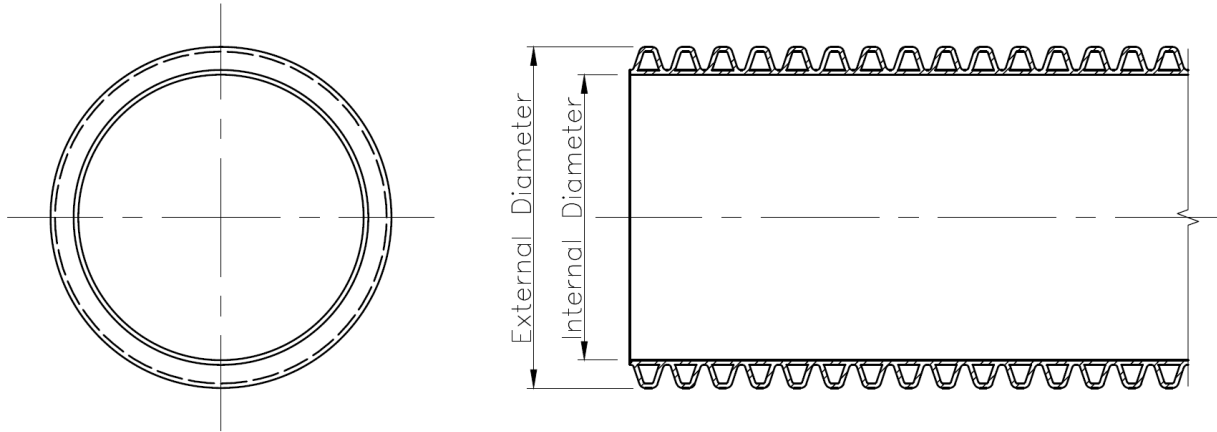
- **Impact test:** Ref. Standard ISO SANS 61386-24

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<b>External diameter DN/OD (mm)</b>	<b>50</b>	<b>75</b>	<b>110</b>	<b>160</b>	230
<b>Internal diameter (mm)</b>	40	60	92	137	<b>200</b>
<b>No. Corrugation per linear meter</b>	140	120	100	80	
<b>Stiffness resistance (N/ml)</b>	450	450	450	450	750
<b>Coils (m)</b>	50	50	50	50	-
<b>Lengths (m)</b>	6	6	6	6	6
<b>External Layer Polyethylene</b>	PE-HD	PE-HD	PE-HD	PE-HD	PE-HD
<b>Internal Layer Polyethylene</b>	PE-HD	PE-HD	PE-HD	PE-HD	PE-HD