



PLASSIM INFRASTRUCTURES LTD
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PVC PIPES FOR CABLES

1. General

Plassim pipes for communication and electric cables are manufactured according to the Israeli Standard 61386-24 which is base on the International Standard IEC 61386-24 : Plastic conduit systems for electric and communication installations buried underground..

Plassim is licensed by the Standards Institution of Israel to mark the Israeli Standards Mark.

The pipes have the following characteristics:

- Smooth internal surface
- Good chemical resistance
- Good corrosion resistance
- Good abrasion resistance
- Very high rigidity
- Self extinguishing with a high ignition temperature

Ring Stiffness: 8kN/m², 16kN/m², 32kN/m²

Color: Grey

Joints: Integral socket

2. Material

The pipes are manufactured from PVC-U material having the following typical characteristics:

	unit	value
SPECIFIC GRAVITY	g/cm ³	1.4
TENSILE STRENGTH	N/mm ²	55
MODULUS OF ELASTICITY	N/mm ²	3000
ELONGATION AT BREAK	%	30
THERMAL CONDUCTIVITY	Kcal/m °C	0.14
COEFFICIENT OF LINEAR EXPANSION	mm/m °C	0.08
WATER ABSORPTION	mg/cm ³	< 4
HARDNESS	Rockwell A	111
VICAT SOFTENING POINT	°C	76

3. Dimensions

Dimensions according to the following table:

Part No.	Diameter (mm)	Nominal length (m)	Actual length (m)	Wall thickness (mm)	Nominal stiffness
2111053600	110	6	6.15	3.2	SN8
2111054600	110	6	6.15	4.2	SN16
2111055600	110	6	6.15	5.3	SN32
2116053600	160	6	6.17	4.7	SN8
2116054600	160	6	6.17	6.2	SN16
2116055600	160	6	6.17	7.7	SN32
2122553600	225	6	6.2	6.9	SN8
2122554600	225	6	6.2	8.8	SN16
2122555600	225	6	6.2	10.8	SN32

4. Packaging

Pipes are packaged in bundles in the following quantities:

Diameter (mm)	Quantity per bundle
110	68
160	35
225	15

5. Quality Control

Pipes are inspected and tested according to Plassim's quality plan for the following:

Property	Method
Appearance	ISO 61836-24
Dimensions	ISO 3126
Marking	SII 61386-24
Dichloromethane	ISO 7676
Socket dimensions	ISO 3126
Longitudinal Reversion	ISO 2505
Impact resistance	ISO 3127
Ring Stiffness	ISO 9969
Resistance to compression	ISO 61836-24