

# Solutions for a green future

AMBICABOS  
CD01R00



[www.politejo.com](http://www.politejo.com)

# The best thermoplastic solutions for infrastructure networks



Politejo Group was founded in 1978, as an industry specialized in the manufacture of thermoplastic solutions and its main activity is the production of pipes and plastic accessories for the water supply, waste water, irrigation, electricity and telecommunications.

Our strategy is based on the constant innovation of products and services, with a skilled team, able to understand the needs associated with the various sectors and present highly reliable solutions, longevity that allow the conservation of water resources and the environment.

The success of Politejo Group is based on the profile of its employees, with a family-oriented management, due to the strategic location of its manufacturing units and their complete solutions.

This profile enabled a notable growth throughout the last 40 years, and currently Politejo Group is present in Angola, Brazil, Spain, Mozambique and Portugal, with a view to expanding to new locations.

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## RANGE PRODUCED AND DIMENSIONS



The following table shows the standard dimensions according to the reference standard EN 61386 for cable conduit systems.

Wiring harness tubing is available in coils and rods. Rolls can be produced in the 250N (L250) and 450 N (N450) class, the rods are produced in the 450 N (N450). The sticks are produced only in High Density Polyethylene; the rolls are produced in Low Density Polyethylene (inner layer) and High Density Polyethylene (outer layer).

### Tube dimensions

Nominal Ø	Outside diameter (mm)		Min. inside diameter (mm)	
	Min.	Medium Max.	Standard	Real
40	40,0	40,8	30	31
50	50,0	51,0	37	41
63	63,0	64,2	47	52
75	75,0	75,4	56	62
90	90,0	91,7	67	74
110	110,0	112,3	82	92
125	125,0	127,3	94	103
160	160,0	162,9	120	135
200	200,0	203,06	150	177
250	250,0	254,5	188	219

## Product testing

Essay	Standard	Parameters
Appearance, colour, dimensional control and marking	EN 61386	According to the standard
Impact Resistance	EN 61386	-5 °C
Resistance to compression	EN 61386	5% deformation
Curvature	EN 61386	Ambient temperature -5 °C
Resistance to external influences, IP grade	UNE 20324	According to the standard
Softening temperature VICAT	EN ISO 306	According to the standard
Residual lead content	Espectrofotometria	According to the standard
Degree of acidity of the gases	EN 50267-2	According to the standard
Ageing and UV behaviour	UNE 21030-1	According to the standard

The tests shaded in the table above are an integral part of the certificate 3.1, when necessary contact commercial services.

## Certification and marking of pipes

The product certificates are presented according to the commercial range.

Commercial Range	Organism	Certificate	Marking
Tube	AENOR	AENOR 001/XXX	AENOR 030/XXX POLITEJO AMBICABOS PE DN ____ L250/N450 ____ UNE-EN 61386-24 (DATE CODE) CE BATCH (BATCH CODE)

AENOR certified ranges and approved by the electricity companies (please consult our commercial department). Extensions to the range can be requested at the customer's request in good time.

To consult the certified range, request the Certificates in force from the sales department.

## Presentation

Delivery can take place in reels of flexible pipe or pallets of rigid pipe. The possibilities per type of product are as shown in the table above, manufacturing all diameters, both in light and standard rolls and standard rods from and including diameter 63.

The standard length of the roll is 50 metres, other lengths can be manufactured on request to the sales department. Usually manufactured in red and green, red for electrical cables and green for telecommunications.

### Roll capacity per truck (50 metre rolls)

DN	Rolls/truck	Metres/lorry
40	600	30000
50	400	20000
63	300	15000
75	220	11000
90	130	6500
110	90	4500
125	60	3000
160	42	2100
200	24	1200

### Roll capacity per truck (6 metre pipes)

DN	Tubes/pallet	Metres/pallet	Pallets/truck	Metres/lorry
63	116	696	20	13920
75	85	510	16	8160
90	58	348	16	5568
110	67	402	12	4824
125	43	258	16	4128
160	33	198	12	2376
200	17	102	16	1632
250	11	66	12	792

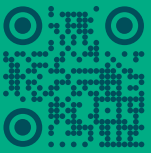
### Environment

Separate the materials that make up the packaging of our products correctly. The following materials are possible in the composition of the packaging: wood, polyester tape and recycled PE plastic to cover the pallet.

Our end products are recyclable after their useful life.



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