



corrugar[®]



Giotto450

Corrugated PE pipes



MARCHIO A GARANZIA DI QUALITÀ



CONSORZIO
PROMOTORE
TUBO CORRUGATO

price list



Polyethylene corrugated pipes for protection of cables in underground electrical and telecommunication installations.

KEY
1 25 m Spool

PRODUCT CODE
Images, drawings and figures only serve as examples

Minimum requirements guaranteed on the whole range of diameters:

- vertical force necessary to crush pipe equal to 5% the diam. Medium internal ≥ 450 N (or 750 N)
- resistance to shock absorption test at -5 °C with 5 kg masses and variable falling heights depending on nominal size of pipe (series N)
- resistance to bending test (at ambient temp and at -5 °C) with bending radius at least 10 times the nominal diam.
- special resistance to chemical agents; protection against U.V. rays > 18 months for radiation equal to $100 \div 110$ kly/year
- compliance to L.V. Directive 2006/95/EC (CE marking)
- marking compliant with standards of reference

DOUBLE WALL PE CORRUGATED CABLE CONDUITS



CORRUGAR *Giotto 450* series N 450N in Spool



DOUBLE WALL STRUCTURE: CORRUGATED OUTSIDE/SMOOTH INSIDE

Flexible cable conduit for passage and protection of cables in underground electrical and telecommunication installations. Compliant with EN 50086-1:1993, EN 50086-2-4:1994+A1:2001 and L.V. Directive 2006/95/EC (CE marking) - Series N* - 450 Newton Colour: grey RAL 7035 outside/black inside Δ . P Stabilised against UV rays: 18 month warranty from date of production Spool with polyester pull roll and sleeve

* diam. 40 and 50 mm Series L

	50m spool			25m spool			tab.1
	outside diameter (mm)	minimum inside diameter (mm)	€/m and item code	outside diameter (mm)	minimum inside diameter (mm)	€/m and item code	
 <p>MARCHIO A GARANZIA DI QUALITÀ</p>  <p>CONSORZIO PROMOTORE TUBO CORRUGATO</p>	40	30.5	0.84 19P040	40	30.5	0.97 19P040M	
	50	40.1	1.07 19P050	50	40.1	1.24 19P050M	
	63	51.0	1.46 19P063	63	51.0	1.67 19P063M	
	75	59.5	1.73 19P075	75	59.5	1.99 19P075M	
	90	71.5	2.29 19P090	90	71.5	2.60 19P090M	
	110	92.2	3.07 19P110	110	92.2	3.49 19P110M	
	125	105.3	3.85 19P125	-	-	-	
	160	135.0	6.11 19P160	-	-	-	
	200 ^Δ	175.0	9.94 19P200	-	-	-	


^ΔDiameters from 50 mm to 125 mm are also available in blue RAL 5002 and yellow RAL 1018 outside with black inside.

CORRUGAR RIGID 6M bars including sleeve- ENEL-type

DOUBLE WALL: CORRUGATED OUTSIDE/SMOOTH INSIDE

Rigid cable conduit for passage and protection of cables in underground electrical and telecommunication installations. Compliant with EN 50086-1:1993, EN 50086-2-4:1994+A1:2001 and L.V. Directive 2006/95/EC (CE marking) Series N - 450/750 Newton - Colour: black outside. Stabilised against UV rays: 18 month warranty from date of production Complete sleeve bar



	series N 450 Newton			series N 750 Newton			tab.2
	outside diameter (mm)	minimum inside diameter (mm)	€/m and item code	outside diameter (mm)	minimum inside diameter (mm)	€/m and item code	
	110	92.2	3.36 19B110E	110	92.2	4.42 19P110E	
	125	105.3	4.01 19B125E	125	105.3	5.75 19P125E	
	160	135.0	6.42 19B160E	160	135.0	8.48 19P160E	
	200	175.0	10.37 19B200E	200	175.0	11.11 19P200E	

CORRUGATED CABLE CONDUITS ACCESSORIES

JUNCTION SLEEVES

Colour: black

	minimum inside diameter (mm)	€/m and item code	minimum inside diameter (mm)	€/m and item code
	40	1.19 19MC040	110	2.19 19MC110
50	1.34 19MC050	125	4.11 19MC125	
63	1.40 19MC063	140	-	
75	1.73 19MC075	160	5.27 19MC160	
90	1.80 19MC090	200	7.61 19MC200	

tab.3

PLASTIC PIPE SUPPORTS

Colour: grey RAL 7040 or black

	from pipes with outside diam. (mm)	supports with 3 simple grooves €/each and item code	supports with 1 double groove €/each and item code	supports with 2 double grooves €/each and item code	supports with 3 double grooves €/each and item code
	63	1.50 19SEL063	-	-	-
90	-	-	3.00 19SELD090	-	
100	-	-	3.00 19SELD100	-	
110	-	-	3.05 19SELD110	3.94 19SELD3110	
125	-	-	3.16 19SELD125	4.00 19SELD3125	
160	-	-	4.27 19SELD160	-	
200	-	3.00 19SELD200	-	-	

tab.4

INSTALLATION NOTES

An efficient installation of CORRUGAR depends on filling in the trench correctly (we recommend digging a narrow trench) allowing the cable conduit to safely withstand deformations of the ground caused by natural settling and by loads weighing on the excavation. The correct way of implementing interaction between the cable conduit and the terrain is that of filling in the trench with different layers of material. The first layer consists in surrounding the cable conduit with sand until it reaches the upper generator of the pipe; only the sides of the cable conduit are compacted. The second layer, of approximately 20 cm, implemented with the same material as the first layer, must only be compacted laterally respect to the position of the cable conduit in order to spare it pointless strains. Excavation material is used in the subsequent layers, approximately 30 cm thick, removing large stones or vegetation. A free space must be left for the last layer of topsoil.



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