

ATLANTA PERMALINE

UPVC ELECTRICAL CONDUIT SYSTEM



Ver 3 - April 2018
www.atlanta.ph

Application

ATLANTA PERMALINE is highly suitable for the protection of electrical wires and cables. It comes with thick wall, which is recommended for exposed and embedded application, respectively. Conforms to the specifications of the Bureau of Products Standards, PNS 14.

Advantages



Dielectric Strength

It can withstand 2000 volts of substantially sine-wave form and having a frequency of 60hz, for 15 minutes between electrodes.



Resistance to Burning

It is fire retardant and suitable for exposing piping.



Compression Resistance

It can withstand impact stress and direct pressure.



Weather Proof

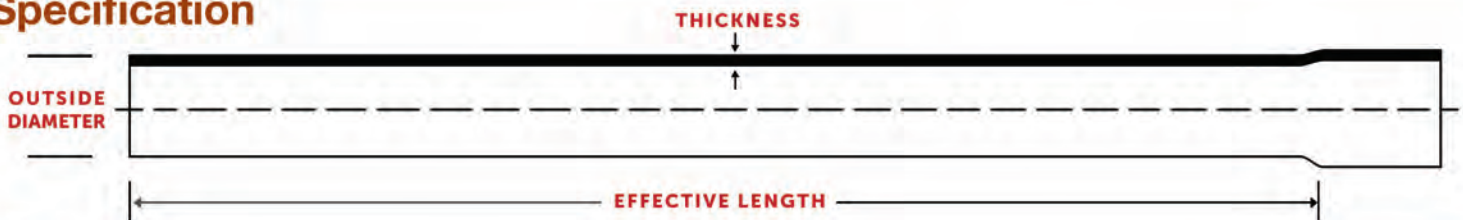
It can retain all properties under any weather condition.



High Insulation

Being an insulator, it prevents grounding and short circuit.

Specification



THICK WALL

OUTSIDE DIAMETER (mm)	NOMINAL SIZE (inches)	CODE	EFFECTIVE LENGTH (m)	WALL THICKNESS
20	1/2	FGELE011201008030M	3	2.2
25	3/4	FGELE011201012030M	3	2.3
32	1	FGELE011201016030M	3	2.4
40	1 1/4	FGELE011201020030M	3	2.4
50	1 1/2	FGELE011201024030M	3	2.4
63	2	FGELE011201032030M	3	2.5
75	2 1/2	FGELE011201040030M	3	2.9
90	3	FGELE011201048030M	3	3.5
110	4	FGELE011201064030M	3	4.2
*160	6	FGELE011201096030M	3	6.1

GENERAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	CHARACTERISTIC VALUE
Specific Gravity	ASTM D792	-	1.43
Water Absorption	ISO 2508	g/m ²	< 40
Tensile Strength at 15°C	ASTM D638	PSi	> 4000
Elongation at Break	ASTM D638	%	15%
Compressive Strength	ASTM D2241	-	No Cracking
Impact Strength	ISO 3127	% TIR	0% TIR
Resistance to Burning	PNS 14	-	Flame Extinguish Instantaneous
Vicat Softening	ISO 2507	°C	Above 76°C
Longitudinal Reversion	ISO 2505	%	Below 5%

CONDUIT ELBOW




SIZE	
(mm)	(in)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2
75	2 1/2
90	3
110	4
160	6

END CAP



SIZE	
(mm)	(in)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2
75	2 1/2
90	3
110	4
160	6

COUPLING



SIZE	
(mm)	(in)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2
75	2 1/2
90	3
110	4
160	6

MALE ADAPTER



SIZE	
(mm)	(in)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2
75	2 1/2
90	3
110	4
160	6

JUNCTION BOX WITH COVER



H
44mm

SOLVENT CEMENT



SIZE
100cc
200cc
400cc

PIPE CLAMP WITH CONCRETE NAIL



SIZE
20mm
25mm
32mm

ENDBELL



SIZE	
(mm)	(in)
20	1/2
25	3/4
32	1
40	1 1/4
50	1 1/2
63	2
75	2 1/2
90	3
110	4
160	6

UTILITY BOX



L
108mm
W
58mm
H
45mm

