

# Engineering Home

for Electrical Industries

بيت الهندسة للصناعات الكهربائية



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# Engineering Home



for Electrical Industries

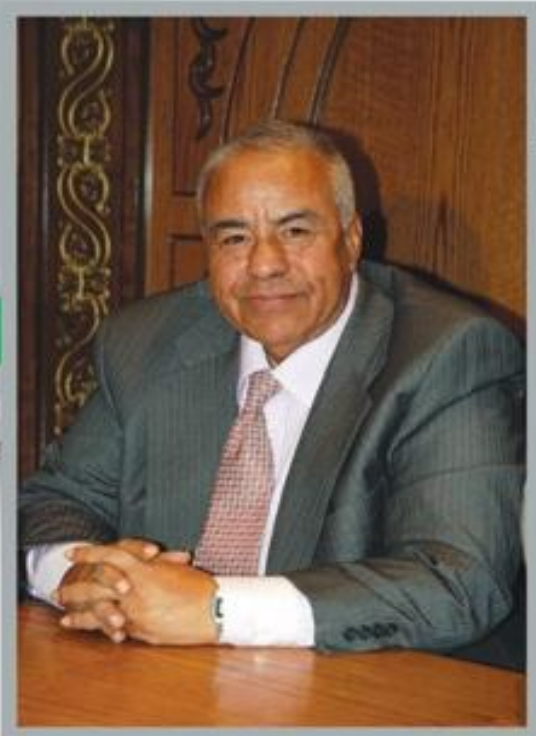


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Engineering Home for Electrical Industries is an Egyptian company providing quality cable management products to the construction industry.

The company was established in 1995 and has grown to be a major contributor in the plastic conduits market in Egypt, and some African nations.

Our reputation of excellence is built on a solid foundation of resources, capabilities and skills.

Adding new products every year is a custom that we endorse to meet our customers' expectations and needs.

In 2011, a new factory was established to meet the markets' increasing demands for quality products.

Our quality, prices, and after sales services are our pillars for success and fulfilling our customers' needs.

A handwritten signature in black ink, appearing to read 'Shawky'.

General Manager  
Shawky Mohamed Saad





Manufactured from virgin, not used before PE raw materials, which confirms its uniformity and resistance to cracks under severe working conditions and which has been formulated to meet the stringent requirements of BS4607 (part 3), IEC 614-2-3, EOS1283/76 and the code of basics in designing and implementing electrical connections (Ministerial rule number 172/1994).



## Flame Retardant Pliable PE Conduit

خراطيم مرنة مقاومة للحريق

Code	Outer Diameter (mm)	Wall Thickness (mm)	Standard Coil (m)
2216	16	2.15	50
2220	20	2.25	50
2225	25	2.6	50
2232	32	2.8	50
2240	40	3	25
2250	50	3.25	25

## Flame Retardant Pliable Conduit (Add. Sizes)

خراطيم مرنة مقاومة للحريق (مقاسات إضافية)

Code	Inner Diameter (mm)	Wall Thickness (mm)	Standard Coil (m)
1213	13	2.1	45
1216	16	2.3	45
1219	19	2.4	45
1223	23	2.6	45
1229	29	3.3	45
1236	36	3.8	22.5
1248	48	3.25	25

Alternative Sizes, Lengths or Colors can be supplied to order.



## Pliable PE Conduit

خراطيم بولي إيثيلين مرنة

Code	Outer Diameter (m.m.)	Wall Thickness (m.m.)	Standard Coil (m)
2116	16	2.15	50
2120	20	2.25	50
2125	25	2.6	50
2132	32	2.8	50
2140	40	3	25
2150	50	3.25	25

## Pliable PE Conduit (Add. Sizes)

خراطيم بولي إيثيلين مرنة (مقاسات إضافية)

Code	Inner Diameter (mm)	Wall Thickness (mm)	Standard Coil (m)
1113	13	2.1	45
1116	16	2.3	45
1119	19	2.4	45
1123	23	2.6	45
1129	29	3.3	45
1136	36	3.8	22.5
1148	48	3.25	25

Alternative Sizes, Lengths or Colors can be supplied to order.



Manufactured from extra super high impact UPVC which is capable of withstanding the most hazardous conditions on site and which has been formulated to meet the stringent requirements of BS4607, BS6099, BS7671 and IEC 614-2-2.

## Light Gauge Round Conduit

مواسير سمك خفيف



Code	Outer Diameter (m.m.)	Wall Thickness (m.m.)	Standard Roll (m)
4120	20	1.30	34 × 3
4125	25	1.45	20 × 3
4132	32	1.70	15 × 3
4140	40	2.10	10 × 3
4150	50	2.45	5 × 3
4163	63	3.00	5 × 3

## Medium Gauge Round Conduit

مواسير سمك متوسط



Code	Outer Diameter (m.m.)	Wall Thickness (m.m.)	Standard Roll (m)
4220	20	1.55	34 × 3
4225	25	1.80	20 × 3
4232	32	2.10	15 × 3
4240	40	2.30	10 × 3
4250	50	2.85	5 × 3

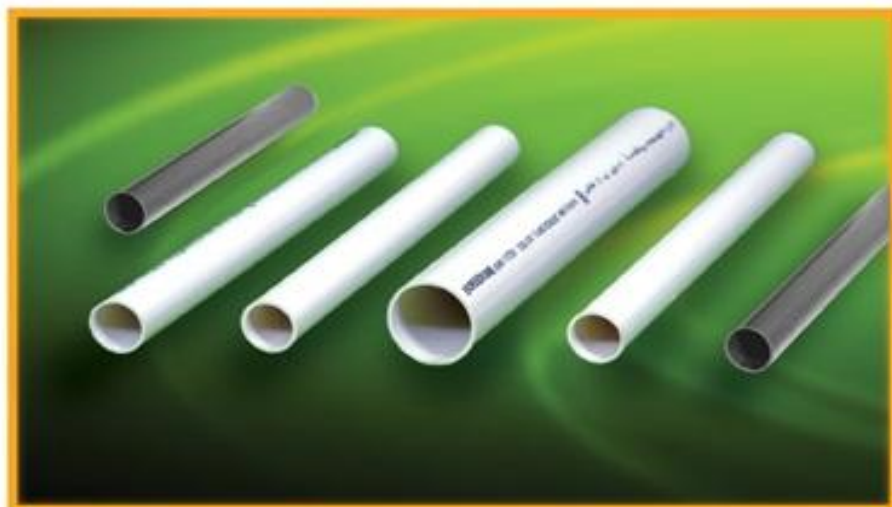
## Heavy Gauge Round Conduit

مواسير سمك ثقيل



Code	Outer Diameter (m.m.)	Wall Thickness (m.m.)	Standard Roll (m)
4320/1	20	1.80	34 × 3
4320	20	2.10	34 × 3
4325/1	25	1.95	20 × 3
4325	25	2.20	20 × 3
4332	32	2.70	15 × 3
4340	40	2.80	10 × 3
4350	50	3.40	5 × 3

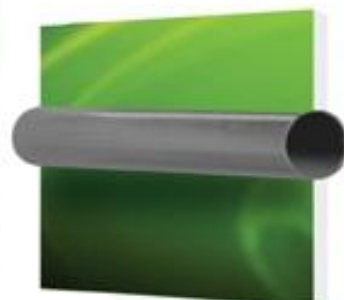




### Round Conduit (Add. Sizes 1)

مواسير (مقاسات إضافية 1)

Code	Inner Diameter (m.m.)	Wall Thickness (m.m.)	Standard Roll (m)
3113	13	0.70	34 × 3
3116	16	1.00	34 × 3
3119	19	1.00	34 × 3
3123	23	1.00	34 × 3
3129	29	1.25	34 × 3
3136	36	1.50	34 × 3



### Round Conduit (Add. Sizes 2)

مواسير (مقاسات إضافية 2)

Code	Outer Diameter (m.m.)	Wall Thickness (m.m.)	Standard Roll (m)
3120	20	1.50	43 × 3
3125	25	1.50	20 × 3
3132	32	1.80	15 × 3
3140	40	1.90	25 × 3
3150	50	2.40	1 × 3
3163	63	3.00	1 × 3



- Rigid Conduits are available in White.
- Rigid Conduits (Add. Sizes) are available in Grey.
- Alternative Sizes, Lengths or Colors can be supplied to order



# Round Conduit Fittings إكسسوارات خاصة بالمواسير

Manufactured from extra super high impact UPVC which is capable of withstanding the most hazardous conditions on site and which has been formulated to meet the stringent requirements of BS4607, BS6099, BS7671 and IEC 614-2-2.

## Couplers

جلب

Code	Size(mm)	Standard Pack
4420/1	20	100
4425/1	25	50
4432	32	25
4440	40	15
4450	50	10
4463	63	4



## Bends

اكسواع

Code	Size(mm)	Standard Pack
4520/1	20	25
4520/2	20	25
4525/1	25	10
4525/2	25	10
4532	32	1
4540	40	1
4550	50	1
4563	63	1



## Strap Saddles

قفيز بدون قاعدة

Code	Size(mm)	Standard Pack
4020/1	20	100
4025/1	25	100
4032/1	32	75
4040/1	40	75
4050/1	50	50



## Space Bar Saddles

قفيز بالقاعدة

Code	Size(mm)	Standard Pack
4020	20	100
4025	25	75
4032	32	50
4040	40	50
4050	50	50

\*Available in white.



### Adaptors (Female Thread)

أداكتور

Code	Size(mm)	Standard Pack
4720	20	100
4725	25	50
4732	32	25
4740	40	25
4750	50	10

### Reducers

مختقلقن

Code	Size(mm)	Standard Pack
4425-20	25/20	100
4432-25	32/25	100



### Expansion Coupler

جلبقة تمدد

Code	Size(mm)	Standard Pack
EC20	20	30
EC25	25	30

### Conduit Intersection Junction

وسيلة تقاطع مواسير

Code	Size(mm)	Standard Pack
4520/6	20	25
4525/6	25	10





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### FOUR WAY

رباعي

Code	Size (mm)	Standard Pack
4620/4	20	15
4625/4	25	15



### H – FOUR WAY

شكل H

Code	Size (mm)	Standard Pack
4620/H	20	15
4625/H	25	15

### Circular Boxes Fittings

Available in white. Fixing centers 50.8 mm.



### Circular Extension Rings

حلقات امتداد للبيواط

Code	Height (mm)	Standard Pack
4800	32	25
4820	20	25
4840	40	20

\*Circular Extension Rings have two lugs fitted with M4 brass inserts and two plain bored lugs.

### Circular Lids

غطاء دائري

Code	Diameter (mm)	Standard Pack
4601	65	100

\*Suitable for all round boxes.







### Single Gang Accessory Box

مربع

Code	Internal Size (mm)	Standard Pack
4907/1	74×74×35	15

\* Available in white

Entries 2 × 20mm on each of four sides

### Twin Gang Accessory Box

مستطيل

Code	Internal Size (mm)	Standard Pack
4907/2	74×134.3×35	10

\* Available in white

Entries 4 × 20mm on each of long sides  
2 × 20mm on each of short sides



### Spiral Flexible Conduits PVC Corrugated Conduits

Code	Inner Diameter (mm)	Outer Diameter (mm)	Standard Coil (m)
5212	12	16.8	30
5214	14	18.5	30
5216	16	21	30
5220	20	24.7	30
5222	22	26.7	30
5225	25	31.1	30
5232	32	38	30
5235	35	41	30
5240	40	46	30
5250	50	56.5	30

### Flexible Conduits Adaptor

آداپتور فليكسيبل

Code	Size (mm)	Standard Pack
5716	16	100
5720	20	100
5725	25	50



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## CABLES ROUND CONDUIT

مواسير كابلات

Code	Outer Diameter (mm)	Wall Thickness (mm)
31075P3	75	2.2
31090P3	90	2.7
31110P3	110	3.2
31125P3	125	3.7
31140P3	140	4.1
31160P3	160	4.7

\*Standard Pipe Length 3m

## CABLES ROUND CONDUIT

(with Joint)

مواسير كابلات بالجوان المطاطي

Code	Outer Diameter (mm)	Wall Thickness (mm)
31075J3	75	2.2
31090J3	90	2.7
31110J3	110	3.2
31125J3	125	3.7
31140J3	140	4.1
31160J3	160	4.7

\*Standard Pipe Length 3m with Rubber Ring Joint

## CABLES ROUND CONDUIT

مواسير كابلات

Code	Outer Diameter (mm)	Wall Thickness (mm)
31075P6	75	2.2
31090P6	90	2.7
31110P6	110	3.2
31125P6	125	3.7
31140P6	140	4.1
31160P6	160	4.7

\*Standard Pipe Length 6m



## CABLES ROUND CONDUIT

(with Rubber Joint)

مواسير كابلات بالجوان المطاطي

Code	Outer Diameter (mm)	Wall Thickness (mm)
31075J6	75	2.2
31090J6	90	2.7
31110J6	110	3.2
31125J6	125	3.7
31140J6	140	4.1
31160J6	160	4.7

\*Standard Pipe Length 6m with Rubber Ring Joint

## HEAD & TAIL COMMUNICATION ROUND CONDUIT

مواسير كابلات الإتصالات

Code	Outer Diameter (mm)	Wall Thickness (mm)	Standard Roll (m)
3150/1	50	1.80	5× 6m
31050J3	50	1.80	5× 3m







## CABLES ROUND CONDUIT COUPLERS

جلب

Code	Size (mm)	Standard Pack
34075 P	75	1
34090 P	90	1
34110 P	110	1
34125 P	125	1
34140 P	140	1
34160 P	160	1



## CABLES ROUND CONDUIT COUPLERS (with Joint)

جلب مواسير كابلات بالجوان المطاطي

Code	Size (mm)	Standard Pack
34075 J	75	1
34090 J	90	1
34110 J	110	1
34125 J	125	1
34140 J	140	1
34160 J	160	1



## CABLES ROUND CONDUIT BENDS

اكواع مواسير كابلات

Code	Size (mm)	Standard Pack
35075 P	75	1
35090 P	90	1
35110 P	110	1
35125 P	125	1
35140 P	140	1
35160 P	160	1

## CABLES ROUND CONDUIT BENDS (with Joint)

اكواع مواسير كابلات بالجوان المطاطي

Code	Size (mm)	Standard Pack
35075 J	75	1
35090 J	90	1
35110 J	110	1
35125 J	125	1
35140 J	140	1
35160 J	160	1



## Test Report

**BSI**  
Product Services

Report No.	2604479724	This Report consists of 11 pages
Client	Engineering Home for Electrical Industries 1 Petroleum Buildings P.O. Box 141 Inshas Cairo Egypt	
Authority & date	Quotation Acceptance from client dated 16 October 2003	
Items tested	PVC Conduits	
Specification	BS EN 50268-2-1:1996 Clauses 6, 7.1, 7.5, 8.1, 9.1, 10.2, 10.3, 10.4, 10.6, 11.4, 12.1 and 12.2 IEC 60314-2-2:1993 Clauses 6.1, 6.2, 6.3, 7.1.1, 7.1.2, 8.1, 8.1, 9.2, 9.3, 9.4, 9.5, 10.101, 11 and 12.2 BS 4607 Part 5:1992 (1988) Clauses 4, 5, 6.1, 6.2, 7.3, 8.2 and 9 Independent Test	
Results	See summary of results on page 2	
Prepared by	G Macle <i>D Macle</i>	Engineer
Authorized by	G R Essam <i>G R Essam</i>	Principal Engineer
Issue Date	25 November 2003	

Report No 2604479724  
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### TESTING, EXAMINATION AND ASSESSMENT OF PVC CONDUITS SUBMITTED AS INDEPENDENT TEST SAMPLES

#### INTRODUCTION

At the request of Engineering Home for Electrical Industries the PVC conduits detailed below, received on 20 October 2003, were tested and assessed against the requirements of BS EN 50268-2-1:1996 Clauses 6, 7.1, 7.5, 8.1, 9.1, 10.2, 10.3, 10.4, 10.6, 11.4, 12.1 and 12.2, IEC 60314-2-2:1993 Clauses 6.1, 6.2, 6.3, 7.1.1, 7.1.2, 8.1, 8.1, 8.2, 8.3, 9.4, 9.5, 10.101, 11 and 12.2 and BS 4607 Part 5:1992 (1988) Clauses 4, 5, 6.1, 6.2, 7.3, 8.2 and 9 from 5 November 2003, as indicated on the following pages of this Report. This request was made in a Quotation Acceptance from client dated 16 October 2003. It is emphasized that assessments were not made against the other clauses of the Specification.

This Report only relates to the actual samples which have been tested and assessed. The results obtained do not necessarily relate to samples from the production line and in no way imply that the performance or quality of the continuing production will be maintained.

#### TEST ITEMS

15 off 1 metre lengths 25mm diameter PVC Conduit

#### SUMMARY OF RESULTS

##### BS EN 50268-2-1:1996

The PVC Conduit met the requirements of those clauses, or parts thereof, of the Specification against which assessments were made.

##### IEC 60314-2-2:1993

The PVC Conduit met the requirements of those clauses, or parts thereof, of the Specification against which assessments were made.

##### BS 4607 Part 5:1992 (1988)

The PVC Conduit met the requirements of those clauses, or parts thereof, of the Specification against which assessments were made.





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