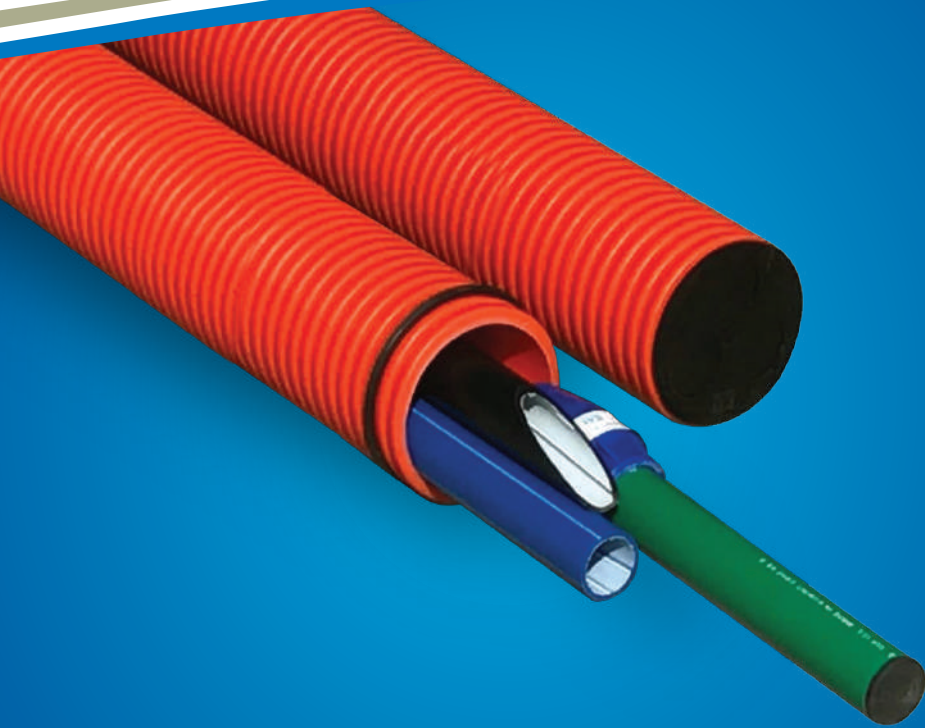




Kuwait International Advanced Industries Company (K.S.C.C.)  
الشركة الكويتية العالمية للصناعات المتطورة (ش.م.ك.م.)



# CABLE DUCTING SYSTEM

Telecoms and Electrical Applications

# THE COMPANY

## First HDPE Corrugated Factory in Kuwait!

Kuwait International Advanced Industries K.S.C.C. (KAI) was established in 1998. We at KAI manufacture an extensive range of products for both industrial and domestic applications. Having been a key player in the market for over a decade, KAI's products continue to lead by example in keeping up to date with the increasing demands of the modern world. Over the years, our 73,000m<sup>2</sup> facility has produced an increasing number of different products to cater to and satisfy the majority of our customer demands. Initially exclusively a pipe production facility, KAI now manufactures a wide array of plastic products ranging from varying piping and ducting applications, public and residential manhole systems, water storage tanks, road safety barriers, and other custom fabricated products and solutions.

Locally manufactured, our products are a result of the latest technology and machinery and are made of the highest quality of raw materials. By adhering to the technical requirements of internationally recognized standards, our products enjoy a proven regional track record of excellence.



## OUR REACH



KAI's ever expanding reach caters to both emerging and developed markets throughout most of the MENA region. KAI's aggressive development plans are consistently seeking feasible opportunities for expansion. Our superior brand, coupled with our flexible marketing strategy, yield a guaranteed result of customer satisfaction.



# CABLE CONDUIT & SUB DUCTS

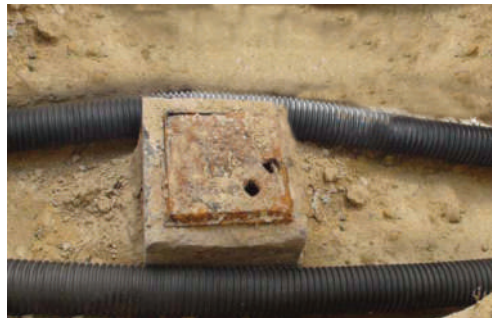
KAI's HDPE Corrugated Cable Conduits and Sub Ducts are primarily used to serve in electrical and telecommunication installations. They are 100% produced in Kuwait.

Utilizing a modern twin-wall technology by using state of the art extrusion machinery, the conduit's outer corrugated layer is designed to enhance pipe stiffness, absorb external pressure, and reduce overall weight, while the inner layer comprises of a smooth texture, designed to minimize friction.

KAI's sub ducts are manufactured with the installers benefit at heart. They are smooth on the outside providing for easy insertion into the cable conduit. The inner layer of the sub-duct may be manufactured with or without silicon.

**THE CONDUITS AND SUB DUCTS ARE ECONOMICALLY VIABLE AND PROVIDE MANY ADVANTAGES SUCH AS:**

- Long service life
- Light weight
- Excellent strength
- Flexible
- Chemical resistance
- Leak proof joints
- Color coded for easy identification
- Rodent repelling properties (upon request)



# SPECIFICATIONS & STANDARDS



KAI manufactures its Cable Conduits and Sub Ducts in accordance to both KOC and MOC standards.

Cable Conduits: **EN-13476-1**

Sub Ducts: **DIN 8074, 8075**

## CABLE CONDUIT

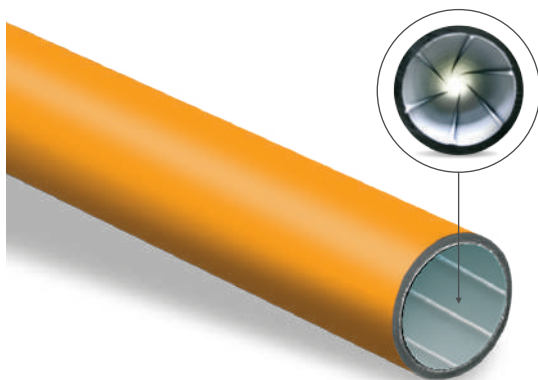
NOMINAL SIZE (MM)	ID (MM)	OD (MM)	STANDARD COLOR(S)	STANDARD SIZE
100 120	96.0 104.0	112.0 120.0	Orange / Black / Grey	6 meters / 12 meters / Coil

## SUB DUCT

NOMINAL SIZE (MM)	ID (MM)	OD (MM)	STANDARD COLOR(S)	STANDARD SIZE
25 32 40	21.0 27.0 33.0	25.3 32.3 40.3	Green / Black / Orange	Coil

\* Larger diameters and other colors are available upon request

\* All diameters are subject to a tolerance level of  $\leq 1\%$



**Sub Ducts may be manufactured with a spiral silicon finish internally. The silicon finish provides two (2) primary advantages:**

1. In this system, the cable is only ever in contact with the low friction liner (silicon)
2. The spiral design of the low friction co-efficient liner will make it easier to blow or pull cables over long distances

# CHARACTERISTICS

## LIFE SPAN

Conduits manufactured using recycled or poor quality polymers are prone to cracking and failure.

We use only high quality virgin polymers, supplied by reputable material manufacturers. The minimum operational life of a KAI HDPE Corrugated Cable conduit is 50 years.

## UV STABILITY

Cable conduits are designed to be buried underground. However KAI HDPE Corrugated Conduits are UV stabilized and can be stored outdoors for up to 1 year.

## PACKAGING & HANDLING

Supplied in various lengths and bundles for easy handling.

## MARKING

Conduits are marked showing pipe size, standard, and batch number. Additional markings as per the customer's request may be accommodated.



## ACCESSORIES



### CONDUIT COUPLER

Leak-free polypropylene (PP) coupler necessary for double socket push-to-fit joints. Standard colors are orange and black.



### SPACER

Firm two-way polypropylene (PP) spacer designed to minimize movement of side-by-side conduits. Standard color is black.

### SUB-DUCT COUPLER

Leak-free polypropylene (PP) screw-to-fit joint. Compatible with all lengths and sizes. Standard color is black & blue.



### END CAP

High-quality polypropylene (PP) end cap compatible with the conduits. Standard color is black.



### GASKET

Rubber seal made of high quality EPDM rubber specifically designed to mount on the corrugation of the conduit's outer surface.

### END PLUG

High quality rubber designed to seal Sub-Duct ends when necessary. Standard color is black.





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