



HDPE Telecommunication Pipes,
Conduits, and Fittings

TELECOMMUNICATION PRODUCT CATALOGUE 2017



The Company

Alwasail Industrial Co. is one of the leading manufacturers of polyethylene pipes and fittings; mainly for irrigation, telecom, drinking water, firefighting networks and, gas and oil transport systems. It also produces rubber products and foam through its affiliate company Saudi Rubber Products (SRP).

Alwasail has grown to become one of the Saudi Arabia's largest manufacturers and suppliers of polyethylene products serving infrastructure and irrigation projects.



VISION AND MISSION

Alwasail's vision is to become the local market leader in High-Density Polyethylene (HDPE) pipe and fitting producer serving contractors and farmers with complete quality solutions. At the same time, expand its irrigation business to support landscape and farming requirements through the introduction of its newly produced or imported items via its expanding branch network.

Contents

Ducts & Conduits

The Company	2
Alwasail HDPE Conduits	3
Conduit Standards	4
Colors and Dimensions	5
Smooth Wall Conduit	6
Grooved Wall Conduit	7
Bundled Conduit	8

Quality Control And Assurance

Commitment to Quality	9
-----------------------------	---

Pipes

Alwasail Telecommunication Pipes	10
Corrugated Pipe	11
Multiple Duct Pipes	12
Double Pipe / Pipes with Rope	13

Fittings

Couplings / Corrugated Pipe	
Coupling / Compression Fittings	14
.....	15
Base and Spacers / End Caps	

Approval Certificates

Mobily Certificate	16
STC Certificates	17

Phone Directory

Sales Branches	18
----------------------	----

Maps

Head Office and Factory	19
-------------------------------	----



Alwasail HDPE Conduits

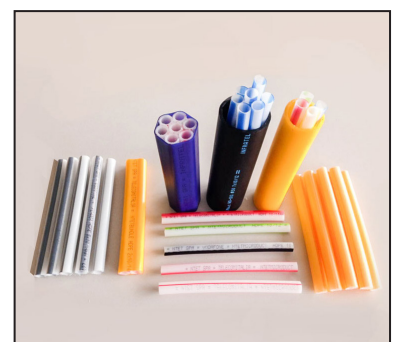
High-Density Polyethylene (HDPE) Conduits

Alwasail telecommunication conduits provide necessary security and protection for telecommunication and electrical cables against harsh and high-pressured environments.

The company also produces customized ducts in coils which provide convenience in installation and for meeting specific construction needs. Alwasail even provides sequential foot markings for ease of installation.

Advantages

- High tensile strength to endure heavy external loads.
- Long-term strength for increased life and performance
- Lower installation cost
- Resistance to corrosive chemicals and aggressive soils
- Moisture proof and watertight when fusion welded
- No biological growth
- Low resistance to pulled-in cable
- Color coding for easy identification





Conduit Standards

Alwasail polyethylene pipes are under International Standard.

HDPE Pipe: ISO, ASTM, EN

Sizes: Manufactured up to 630 mm sizes at various standard dimension ratio (SDR).

Pipes color: The color of the PE pipe is black mainly to provide high protection to degradation due to the UV radiation and so there is no limitation on the external use of the PE pipe as they are designed to withstand continuous solar heat for at least 50 years.

Pipes Length: Up to OD 125mm the PE pipes are available in coils of 100 meters standard length. Large diameters supplied in straight rods 12 meters long.

Available Customization upon Request : Length, Color, SDR Classes and Variations

Thermal Expansion and Contraction: The coefficient of thermal expansion/contraction for PE Pipe is approximately 0.0002 mm/mm/°C

Raw Materials: Alwasail Polyethylene pipes are manufactured using:

- HDPE - (PE 100) High density polyethylene (density = 0,950 g/cm³)

The above materials contain high-class chosen polymer and high-quality Carbon-Black to get long life under every working and weather conditions.

Each material has its application field, attractions and particular benefits depending on working and installation condition, equipment available and personal preference.

The raw materials used by Alwasail are carefully selected among the best available on the market. Produced by the polymerization of ethylene they are the outcome of long exhaustive research carried out by polymer manufacturers in company labs and specialized institutes. The result so far attained can be summed up in excellent stress-cracking resistance, tensile strength and weldability.

The molecular structure of polymers used to manufacture pipes guaranteed their mechanical characteristics with wide margins of safety for at least 400-500.000 h of uninterrupted service at the nominal pressure NP and a temperature of 20°C.

The average system lifetime of polymers is up to 50 years. Carrying out various pressure tests on pipe specimens examines the polymer strength.

In compliance with ISO Standards tests are performed at a fixed wall hoop stress s and temperature T and their duration recorded on logarithmic graphs (stress s , lifetime t , temperature T) obtaining a series of lines called regression curves. From such curves, which are different for each material, it is possible to predict a pipe lifetime or, after fixing the working period t and temperature T , trace back to the wall stress and therefore calculate a pipe wall thickness.

Colors and Dimensions

HDPE Conduits



Color / Stripe

											C - Custom
--	--	--	--	--	--	--	--	--	--	--	------------

Nominal Outside Diameter Da (mm)	Pipe Series																	
	S 20			S 12.5			S 8			S 6.3			S 5			S 4		
	Standard Dimension Ratio																	
	SDR 41			SDR 26			SDR 17			SDR 13.6			SDR 11			SDR 9		
	Nominal Pipe ID mm	Wall Thickness mm	Approx. Weight kg/m	Nominal Pipe ID mm	Wall Thickness mm	Approx. Weight kg/m	Nominal Pipe ID mm	Wall Thickness mm	Approx. Weight kg/m	Nominal Pipe ID mm	Wall Thickness mm	Approx. Weight kg/m	Nominal Pipe ID mm	Wall Thickness mm	Approx. Weight kg/m	Nominal Pipe ID mm	Wall Thickness mm	Approx. Weight kg/m
16															12.4	1.8	0.084	
20									16.4	1.8	0.107	16.2	1.9	0.112	15.4	2.3	0.133	
25						21.4	1.8	0.137	21.2	1.9	0.144	20.4	2.3	0.171	19.4	2.8	0.200	
32						28.2	1.9	0.187	27.2	2.4	0.232	26.2	2.9	0.272	24.8	3.6	0.327	
40				36.4	1.8	0.227	35.2	2.4	0.295	34.0	3.0	0.356	32.6	3.7	0.430	31.0	4.5	0.509
50				46.0	2.0	0.314	44.0	3.0	0.453	42.6	3.7	0.549	40.8	4.6	0.666	38.8	5.6	0.788
63	59.4	1.8	0.364	58.0	2.5	0.494	55.4	3.8	0.721	53.6	4.7	0.873	51.4	5.8	1.050	48.8	7.1	1.260
75	71.2	1.9	0.457	69.2	2.9	0.675	66.0	4.5	1.020	63.8	5.6	1.240	61.4	6.8	1.470	58.2	8.4	1.760
90	85.6	2.2	0.643	83.0	3.5	0.978	79.2	5.4	1.460	76.6	6.7	1.770	73.6	8.2	2.120	69.8	10.1	2.540
110	104.6	2.7	0.943	101.6	4.2	1.430	96.8	6.6	2.170	93.8	8.1	2.620	90.0	10.0	3.140	85.4	12.3	3.780
125	118.8	3.1	1.230	115.4	4.8	1.840	110.2	7.4	2.760	106.6	9.2	3.370	102.2	11.4	4.080	97.0	14.0	4.870
140	133.0	3.5	1.540	129.2	5.4	2.320	123.4	8.3	3.460	119.4	10.3	4.220	114.6	12.7	5.080	108.6	15.7	6.110
160	152.0	4.0	2.000	147.6	6.2	3.040	141.0	9.5	4.520	136.4	11.8	5.500	130.8	14.6	6.670	124.2	17.9	7.960
180	171.2	4.4	2.490	166.2	6.9	3.790	158.6	10.7	5.710	153.4	13.3	6.980	147.2	16.4	8.420	139.8	20.1	10.100
200	190.2	4.9	3.050	184.6	7.7	4.690	176.2	11.9	7.050	170.6	14.7	8.560	163.6	18.2	10.400	155.2	22.4	12.400
225	214.0	5.5	3.860	207.8	8.6	5.890	198.2	13.4	8.930	191.8	16.6	10.900	184.0	20.5	13.100	174.6	25.2	15.800
250	237.6	6.2	4.830	230.8	9.6	7.300	220.4	14.8	11.000	213.2	18.4	13.400	204.6	22.7	16.200	194.2	27.9	19.400
280	266.2	6.9	5.980	258.6	10.7	9.000	246.8	16.6	13.700	238.8	20.6	16.800	229.2	25.4	20.300	217.4	31.3	24.300
315	299.6	7.7	7.520	290.8	12.1	11.600	277.6	18.7	17.400	268.6	23.2	21.200	257.8	28.6	25.600	244.6	35.2	30.800
355	337.6	8.7	9.550	327.8	13.6	14.600	312.8	21.1	22.100	302.8	26.1	26.900	290.6	32.2	32.500	275.6	39.7	39.100
400	380.4	9.8	12.100	369.4	15.3	18.600	352.6	23.4	28.000	341.2	29.4	34.100	327.4	36.3	41.300	310.6	44.7	49.600
450	428.0	11.0	15.300	415.6	17.2	23.500	396.6	26.7	35.400	383.8	33.1	43.200	368.2	40.9	52.300	349.4	50.3	62.700
500	475.4	12.3	19.000	461.8	19.1	28.900	440.6	29.7	43.800	426.4	36.8	53.300	409.2	45.4	64.500	388.4	55.8	77.300
560	532.6	13.7	23.600	517.2	21.4	36.200	493.6	33.2	54.800	477.6	41.2	66.900	458.4	50.2	80.800	435.0	62.5	97.000
630	599.2	15.4	29.900	581.8	24.1	45.900	555.2	37.4	69.400	537.4	46.3	84.600	515.6	57.2	102.000	-	-	-

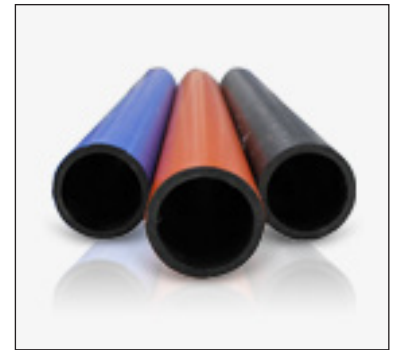


Smooth Wall Conduit

HDPE Conduit

Product Features and Attributes:

- Cables pre-installed in HDPE
- Standard wall thickness
- Available in sizes
- Sizes: 16-1200 mm
- Low-sliding friction to aid in the pulling and jetting of Micro-Guard and micro-cables
- High tensile strength material for longer pulling distances
- Variety of colors/ stripes for identification - paralleling available
- Sequential-marked meters
- UV-formulated material for outside storage
- Complete line of fittings and accessories



Color Legend:

- Plane Color
 = (Conduit Color) + (Stripe)

Size	SDR	Available Colors
12 mm	11	
14 mm	7	
20 mm	11, 17	
20 mm	13, 17	
32 mm	11,26	
32mm	17	
32 mm	7,9	
50mm	11	
50mm	17	

Grooved Wall Conduit

HDPE Conduit



Product Features:

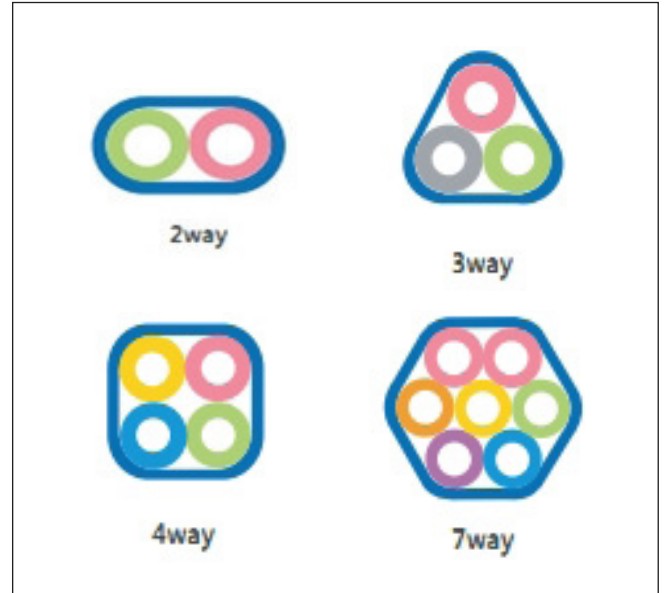
- Cables pre-installed in HDPE
- Standard wall thickness
- Pre-lubricated during assembly process
- Inside diameter groove; available in sizes as per request
- Sizes: 16-50 mm
- Low-sliding friction to aid in the pulling and jetting of Micro-Guard and micro-cables
- High tensile strength material for longer pulling distances
- Variety of colors/ stripes for identification - paralleling available
- Sequential-marked meters
- UV-formulated material for outside storage
- Complete line of fittings and accessories





Bundled Conduit

Conduit-in-conduit



Material Specifications

1	Ducts are manufactured with High Grade 100% Virgin HDPE			
2	Melt Flow Index	ASTM D 238-10 ASTM F2160	< 0.35 g/10min	Per Batch
3	Density	ASTM D792-08 ASTM F2160	0.940 -0.958 g/cm ³	Per Batch

Product Features:

- Cables pre-installed in HDPE
- Eliminating the need to pull cables
- Standard wall thickness
- Available in sizes
- Pre-lubricated during assembly process
- Inner conduit Sizes: 13-32 mm
- UV-formulated material for outside storage
- Sequential-marked meters
- Pre-installed pull line available (10 mm and larger)
- High tensile strength material for longer pulling distances
- Variety of colors/ stripes for identification - paralleling available
- Low-sliding friction to aid in the pulling and jetting of Micro-Guard and micro-cables
- Complete line of fittings and accessories
- Inner surface can be grooved inside

Note: Custom options and other dimensions or specifications can be produced upon request

Item	Row x Column	Size Outside/Inside Dimension (mm)	Outer Jacket wt. (mm)
1	Hex Array 7 Pipes	20/15	1.00-1.4
2	1x2	12/08	1.00-1.4
3	1x2	10/06	1.00-1.4
4	2x2	25/20	1.00-1.4
	2x2	20/16	1.00-1.4
	2x2	10/6	1.00-1.4
	2x2	28/24	1.00-1.4
5	Triangle array 3 pipes	28/24	1.00-1.4

Commitment to Quality

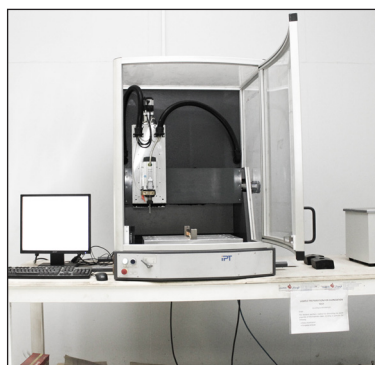
Quality Control and Assurance



Alwasail aims to provide the best quality products and services to its customers and affiliates. The management and staff dedicate themselves to assure that their HDPE products give impact in helping customers achieving overall positive results.

Alwasail always continues to seek the highest level of customer satisfaction by performing planned and systematic actions. Establishing the culture with strict standards and guidelines develops the clients' confidence that processes and product lines satisfy their requirements for quality.

Quality Control Facilities:





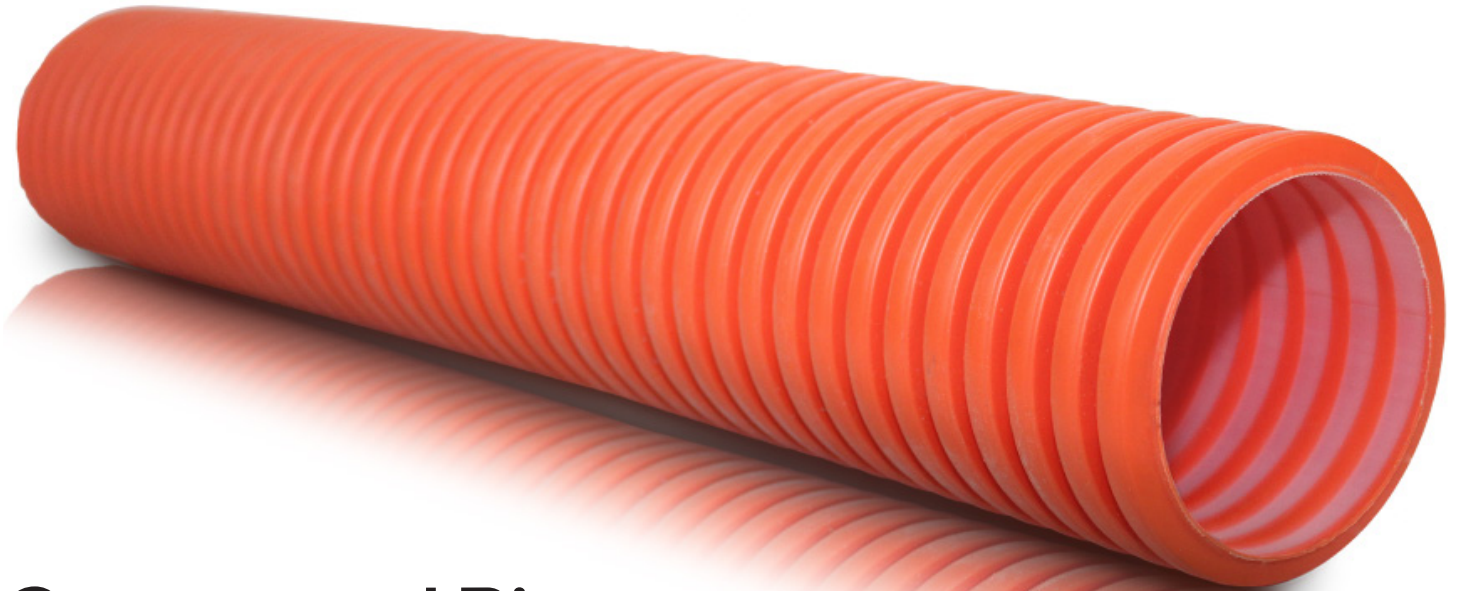
Alwasail Telecommunication Pipes

HDPE Pipes

Alwasail has emerged as a renowned name in the piping industry in Saudi Arabia by offering a range of high-density polyethylene (HDPE) pipes. The company has over thirty years of experience in the manufacturing sector of HDPE products.

The company exports wide range of HDPE Pipes mainly used not only for telecommunication lines but also for irrigations, potable water, drainages, and gas infrastructure. Designed in compliance with ISO and DIN standards, our range finds application in varied industries like Agricultural, Water Sanitation, Firefighting, and chemical industries.

Alwasail pipes are also widely appreciated for high chemical resistance and better flow characteristic. The company also offers customized telecom pipes, fittings, and accessories.



Corrugated Pipe

HDPE Pipe

Manufactured from High-Density Polyethylene (HDPE) and is intended for internal duct applications. It's ideal for pulls under 1000 feet and is designed to reduce surface contact when pulling cable. Since this product is lightweight and offers maximum flexibility, installation in small or restricted locations is made easier.



Corrugated pipes are available in sizes 110-280 mm and a variety of colors. Custom options such as number of subducts is available to satisfy the requirements for most installations.



SIZE	DN/OD mm	Dim mm
1	110	97
2	170	150
3	227	197
4	286	250



Multiple Duct Pipes

HDPE Pipes



ALWAsail  الوسائل

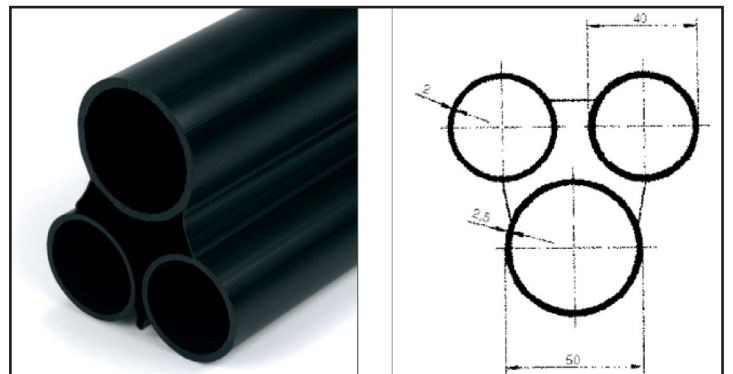
Multiple Duct Pipe 3-Fold

Subducts: 1 duct 50 x 2.5
2 ducts 40 x 2.0

Article: 101017

Weight: 1.03 kg/m

Delivery packaging: 800m on drum



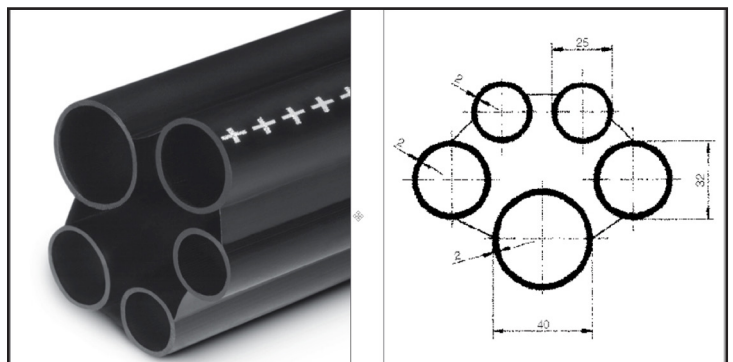
Multiple Duct Pipe 5-Fold

Subducts: 1 duct 40 x 2.0
2 ducts 32 x 2.0

Article: 101027

Weight: 1.11 kg/m

Delivery packaging: 1000m on drum



Double Pipe

HDPE Pipe

Product Features:

- Compact 2-way cables
- Reduces installation time
- Standard wall thickness
- Available in twin 40mm size
- Pre-lubricated during assembly process
- Manufactured from HDPE-100 pressure resin
- Low-sliding friction to aid in the pulling and jetting of Micro-Guard and micro-cables
- High tensile strength material for longer pulling distances
- Variety of colors and stripes for identification - paralleling available
- Sequential-marked meters
- UV-formulated material that can withstand even stored outside the warehouse
- Complete line of fittings and accessories

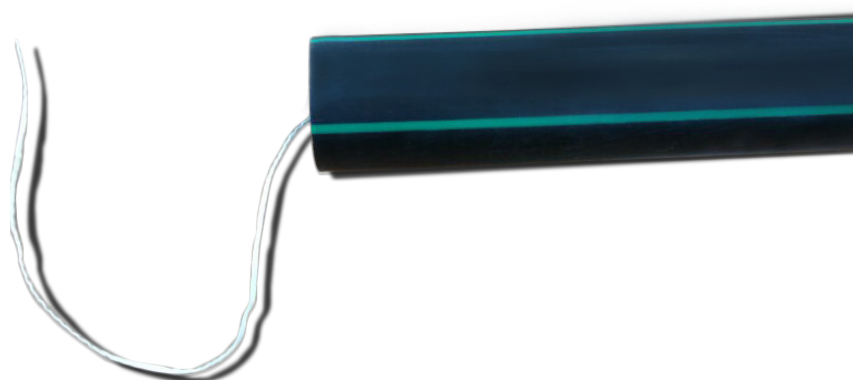


Pipe with built-in rope/tape

HDPE Pipe

Product Features:

- Compact pipe with rope for cable pulling
- Reduces installation time
- Standard wall thickness
- Pre-lubricated during assembly process
- Manufactured from HDPE pressure resin
- High tensile strength material for longer pulling distances
- Variety of colors/ stripes for identification - paralleling available
- UV-formulated material that can withstand even stored outside the warehouse
- Complete line of fittings and accessories



SDR = Standard Dimension Ratio

L = Length

Ø = Diameter

Size (mm)	Max L (m)	Rope Ø (mm)	Max L (m)	Rope Ø (mm)	Max L (m)	Rope Ø (mm)	Max L (m)	Rope Ø (mm)
20	500	3	500	3	500	3	500	3
32	2000	3-4	2000	3-4	2000	3-4	2000	3-4
50	300	3-4	300	3-4	300	3-4	300	3-4



Fittings

Couplings



Alwasail telecommunication couplings are used in connecting main ducts.

Product Features:

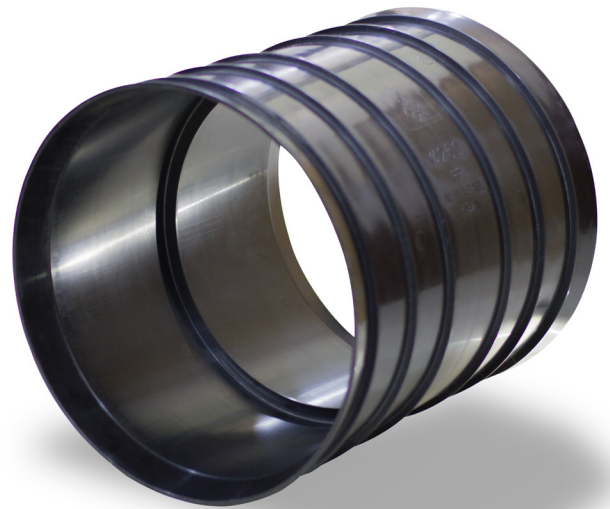
- Heavy duty
- Rubber sealed protected
- Easy to install/uninstall
- Compact design with minimum dimension
- Size can be customized upon request

Corrugated Pipe Coupling

Telecommunication corrugated pipe couplings are used in connecting corrugated HDPE pipes in telecommunication systems.

Product Features:

- Heavy-duty
- Rubber sealed protected
- Easy to install/uninstall
- Compact design with minimum dimension
- Size can be customized upon request



Compression Fittings

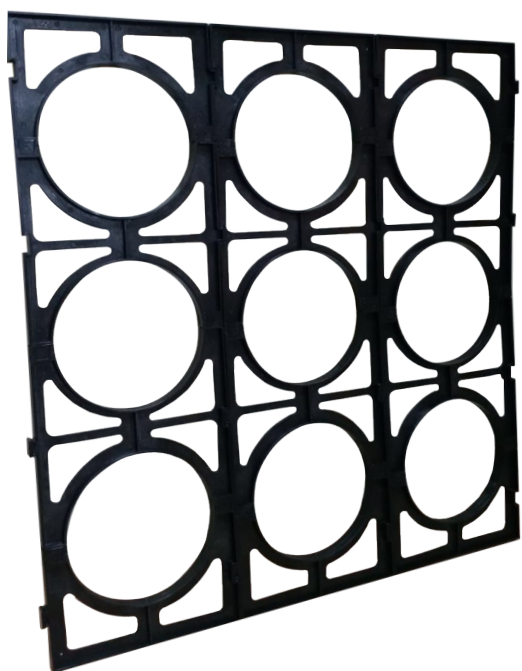


Compression fittings are used for jointing two HDPE ducts together ensuring smooth and safe cable connection. Also used in connecting ducts in manholes which protect cable connection points during service life.

Product Features:

- Rigid Materials
- Easy to install / uninstall
- Sizes from 20mm up to 125mm
- UV resistant colored materials
- Rubber sealed protected
- Slip less design for dragging process

Base and Spacers



In telecommunication, pipe spacers are used as a multichannel system for all kinds of underground cable duct systems. They are designed with interlocking devices to also make an assembly of duct banks outside of trenches stable.



Size (mm)	Double	Single (Base)
20	2 rows x 8 ways	1 row x 8 ways
20	2 rows x 5 ways	1 row x 5 ways
32	2 rows x 4 ways	1 row s 4 ways
50	2 rows x 3 ways	1 row x 3 ways
110	1 row x 2 ways	base 1 way
160	1 row x 2 ways	base 1 way
200	1 row x 2 ways	base 1 way

End Caps



Protective caps gives protection to your valuable pipelines. Polyethylene plastic pipe caps are often referred to as a rubber cap because of their flexibility.

Product Features:

- Prevents damage during transportation or storage
- Available in sizes 50-160 mm
- UV-formulated material for outside storage
- To be fitted in ID or OD upon request

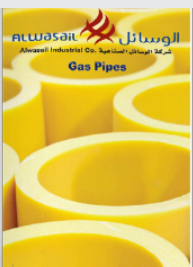
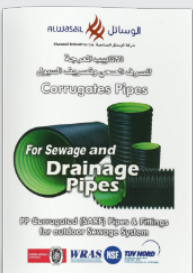
Color / Stripe





Alwasail Brochures

Available at www.alwasail.com



Approval Certificates

Alwasail is keen on keeping the most stringent accreditations, and certificates for its products as best practices and contractors require them.

The company strives to meet the highest quality control commitment to its customers by providing the highest quality products and services.

Mobily Type Approval Certificate



TYPE APPROVAL CERTIFICATE

Ref. No.: 204
 Date: 26/09/2016
 Certificate No.: *Mobily/TAC/HDPE/017*

This certificate is valid from:

26/9/2016	To	26/9/2018
-----------	----	-----------

Name of the Manufacturer / Supplier: **AL- WASAIL COMPANY**

Address of Manufacturer / Supplier: Riyadh 11485 , P.O.Box : 21599, King Abdullah Road , Ext 10 ,

Type of Approval (Provisional/ Periodic): **Renewal**

Product(s) details:

Product- Name / Code	Description
HDPE Pipe 50mm	50mm HDPE pipes - colored Orange, Black and Blue with following specifications: Nominal Outside dia (mm): 50mm ± 0.5mm, Nominal Inner dia (mm): 42mm ± 0.5mm, Wall thickness (mm): 4.0 ± 0.3 mm Standard Dimensional Ration (SDR) [Da/s]: 11; Nominal pressure : PN Bar 16 for min 3 hrs; High density PE 100; Longitudinal reversion test: 3% max ; Density:>0.930/cm3; Elongation at break: > 350% ; Bending: 20 x OD; with 6mm PP Rope. Primary application: Direct Buried.

This certificate is valid with the terms and conditions applied by Mobily regarding the type approval

Verified By:	Verified By:	Verified By:
Azhar Khurshid Bandy Acting Executive Manager FID-Planning	Wafi Mohamed Zahlan Executive Manager FTTH Rollout FTTH Project Implementation - Central	Hasan S. Al Snayan Executive Manager O&M Transmissions Quality Assurance
 Azhar Khurshid Bandy Ag. Exce. Manager Fiber Infrastructure Design	 Wafi Mohamed Zahlan Executive Manager	 12.10.2016
Approved By:	Mohamed Al Johani General Manager FTTH Planning & Design	

Remarks(Terms & Conditions if any):

- . For Immediate Effect
- . For All OSP Contractors
- . For Tracer Wire shall be incorporated with delivered product




Saudi Telecom Company (STC) Certificates

Cer. NO. 16 / 11 & 10
Approval Date: 2016/08/11

شهادة اعتماد النوعية TYPE APPROVAL CERTIFICATE

STC
الاتصالات السعودية

تم منح هذه الشهادة للمصنع الموضح بياناته لقائمة المنتجات أدناه حسب مواصفات شركة الاتصالات السعودية :

اسم المصنع : شركة الوسائل الصناعية
الدولة : المملكة العربية السعودية
للمنتجات التالية :

Manufacturer Name: Alwasail Industrial Company
Country: KSA
For Below Products:

Ser No.	Mic No.	AR/Description	EN/Description	Spec Issue
1	4129500	قناة صغرة ، بولي إيثيلين عالي الكثافة ، قطر خارجي 32 سم	Duct, HDPE, Mini-duct, 32 mm	TS 4111 / 6
2	4129506	قناة صغرة ، بولي إيثيلين عالي الكثافة ، قطر خارجي 20 سم	Duct, HDPE, Mini-duct, 20 mm	TS 4111 / 6
3	4293455	قنوات في الصف ، قطر القناة الخارجي (20-م)	Duct Spacer, 8 x 20mm Ducts per row (Base Unit)	TS 4116 / 1
4	4293456	قنوات في الصف ، قطر القناة الخارجي (20-م)	Duct Spacer, 8 x 20mm Ducts per row (Intermediate Unit)	TS 4116 / 1

مدير إدارة تنفيذ وتكامل الشبكة الثابتة والموردين
Fixed Network and ISP Integration Director
م / يوسف بن إبراهيم الشايخ

مدير شعبة المعايير والمواصفات
OSP Standards And Specifications Section Manager
م / بدر بن عبد الرحمن الرشيد

مدير عام تنفيذ الشبكات
Network Implementation GM
م / عادل بن حسن باعبدالله

ملاحظة هامة:
1- إقرار هذا الشهادة من Type Approval Applicant
will be considered a full compliance commitment with the mentioned technical specifications in this certificate with latest updates provided to him.

Valid Up To: 2018/05/13

سارية لغاية : 2018/05/13

Cer. NO. 16 / 11 & 10
Approval Date: 2016/08/11

شهادة اعتماد النوعية TYPE APPROVAL CERTIFICATE

STC
الاتصالات السعودية

تم منح هذه الشهادة للمصنع الموضح بياناته لقائمة المنتجات أدناه حسب مواصفات شركة الاتصالات السعودية :

اسم المصنع : شركة الوسائل الصناعية
الدولة : المملكة العربية السعودية
للمنتجات التالية :

Manufacturer Name: Alwasail Industrial Company
Country: KSA
For Below Products:

Ser No.	Mic No.	AR/Description	EN/Description	Spec Issue
1	4129500	قناة صغرة ، بولي إيثيلين عالي الكثافة ، قطر خارجي 32 سم	Duct, HDPE, Mini-duct, 32 mm	TS 4111 / 6
2	4129506	قناة صغرة ، بولي إيثيلين عالي الكثافة ، قطر خارجي 20 سم	Duct, HDPE, Mini-duct, 20 mm	TS 4111 / 6
3	4293455	قنوات في الصف ، قطر القناة الخارجي (20-م)	Duct Spacer, 8 x 20mm Ducts per row (Base Unit)	TS 4116 / 1
4	4293456	قنوات في الصف ، قطر القناة الخارجي (20-م)	Duct Spacer, 8 x 20mm Ducts per row (Intermediate Unit)	TS 4116 / 1

مدير إدارة تنفيذ وتكامل الشبكة الثابتة والموردين
Fixed Network and ISP Integration Director
م / يوسف بن إبراهيم الشايخ

مدير شعبة المعايير والمواصفات
OSP Standards And Specifications Section Manager
م / بدر بن عبد الرحمن الرشيد

مدير عام تنفيذ الشبكات
Network Implementation GM
م / عادل بن حسن باعبدالله

ملاحظة هامة:
1- إقرار هذا الشهادة من Type Approval Applicant
will be considered a full compliance commitment with the mentioned technical specifications in this certificate with latest updates provided to him.

Valid Up To: 2018/05/13

سارية لغاية : 2018/05/13

Cer. NO. 23/16
Approval Date: 2017/Jun/01

شهادة اعتماد النوعية TYPE APPROVAL CERTIFICATE

شهادة مؤقتة Temporary Certificate

STC
الاتصالات السعودية

تم منح هذه الشهادة للمصنع الموضح بياناته لقائمة المنتجات أدناه حسب مواصفات شركة الاتصالات السعودية :

اسم المصنع : شركة الوسائل الصناعية
الدولة : المملكة العربية السعودية
للمنتجات التالية :

Manufacturer Name: ALWASAIL INDUSTRIAL CO
Country: K S A
For Below Products:

Ser No.	Mic No.	AR/Description	EN/Description	Spec Issue
1	4129061	قناة مجهزة من البولي إيثيلين عالي الكثافة ، 110 سم (قنوات فرعية 32 سم) ، نوع 2	Duct, HDPE-CD, 110mm (5 sub-duct 32 mm) , Type 2	TS 4115 / 3
2	4129063	قناة مجهزة من البولي إيثيلين عالي الكثافة ، 110 سم (بدون قنوات فرعية) ، نوع 4	Duct, HDPE-CD, 110mm (Empty) , Type 4	TS 4115 / 3

مدير إدارة تنفيذ وتكامل الشبكة الثابتة والموردين
Fixed Network and ISP Integration Director
م / يوسف بن إبراهيم الشايخ

مدير شعبة المعايير والمواصفات
OSP Standards And Specifications Section Manager
م / بدر بن عبد الرحمن الرشيد

مدير عام تنفيذ الشبكات
Network Implementation GM
م / عادل بن حسن باعبدالله

ملاحظة هامة:
1- إن إقرار هذا الشهادة يعبر تعهداً منه بالالتزام التام بالمواصفات الفنية الموضحة عليها في هذه الشهادة مع إقرار تنفيذ المواصفات التي يتم تزويده بها .
2- تم إصدار هذه الشهادة مؤقتة لثلاثة أشهر فقط وسوف يتم إصدار شهادة أخرى عند صلاحيتها إلى سنة أو سنتين بعد التأكد من التزام المصنع بتطبيق المواصفات الفنية والجودة المطلوبة على المنتج أثناء التصنيع والتوريد والتشغيل .

Valid Up To: 2017/ Aug /30

سارية لغاية : 2017 / Aug /30

Alwasail Brochures
Available at www.alwasail.com





Sales Branches

Phone Directory

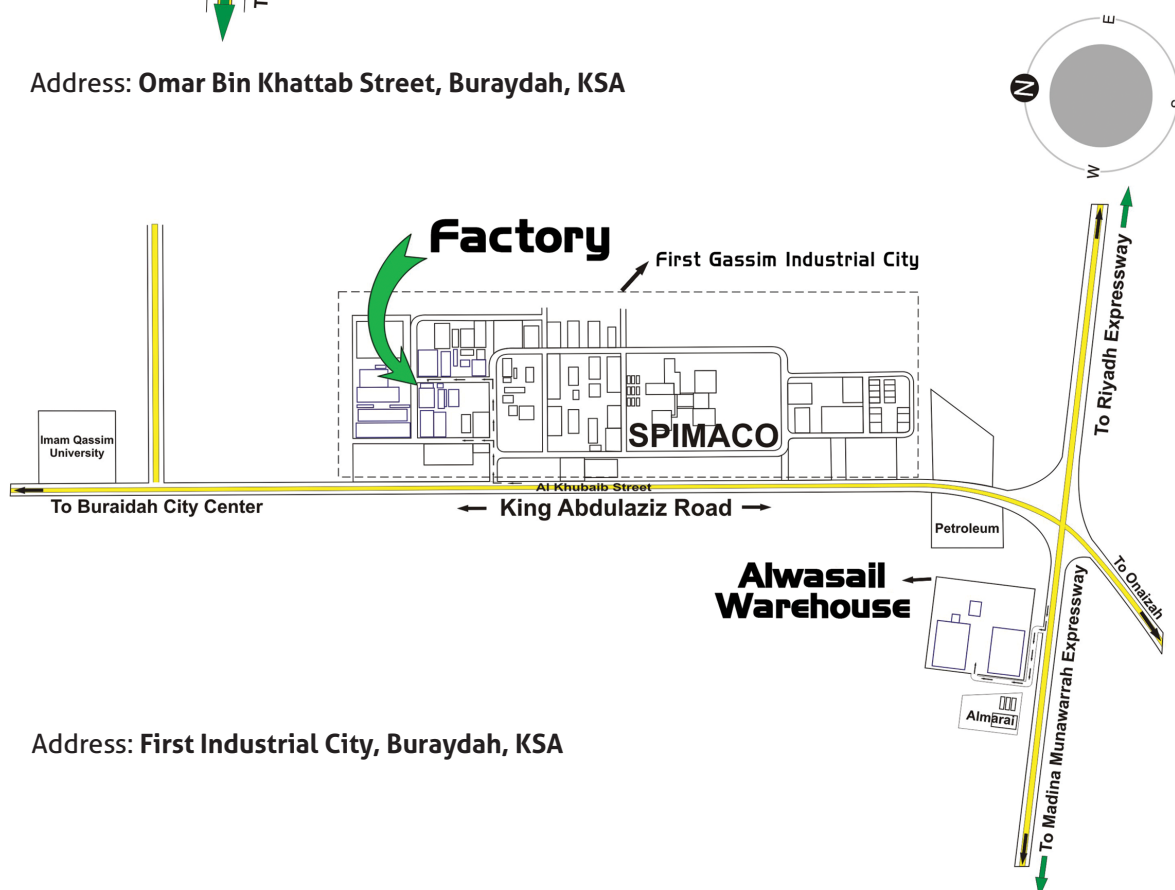
Location	P.O. Box	Tel. No.	Fax No.	Mobile No. 1	Mobile No. 2
Buraidah (Head Office)	124	016-3821785 / 016-3821901	016-3811203	-	-
Buraidah (Main Branch)	124	016-3816658	016-3811306	0500561985	0505983631
Buraidah (Al Muwattah Branch)	124	016-3249419	016-3257076	0506390297	0506423598
Dammam	8893	013-8171375	013-8176347	0555206658	0506419643
Hail	2393	016-5435219	016-5322138	0506317256	0555836704
Hafouf		013-5825534	013-5825634	0506419643	-
Makkah		-	-	0503135068	0506351903
Jeddah		012-275735 / 012-6654536	012-274659 / 012-6657473	0506420914	0500526883
Jizan		017-3274880	017-3274883	0556523214	0506346456
Al Jouf		017-3274883	014-6246840	0550862202	-
Al Kharj		011-5501616	011-5510458	0506404317	0553175424
Madinah		014-8461493	-	0506415610	0553140279
Najran		017-5440611	017-5441986	0551350070	-
Onaizah		016-3624758	016-3610128	0506418763	0555638188
Riyadh Main Branch		011-4508431 / 011-4508432	011-4508422	0500590147	0539000617
Riyadh (Salam Street)		011-4114679	011-4111914	0506401979	-
Tabouk		014-4211389	014-4288374	0553148535	0506358753
Taif		012-7402179	-	0506403967	0500809917
Wadi Dawasir		011-7845051	-	0504492224	-
Zulfi		016-4224927	016-4232421	0554339071	-
Qarya Al Olaya		013-3861960	-	0555175623	-
Al Ola		014-8846636	-	0506348947	-
Khamis Mushait		017-2371622	017-2371260	0502964282	0506358753
Sajir		-	-	0555837887	-
Egypt		-	-	00201062900600	-
United Arab Emirates	48980	00971-4-2668040	00971-4-2668035	00971-4-506117612	00971-4-506506063
Export Department	21599	011-4508431-EXT 4423	011-4548057	0506375685	-

Head Office and Factory

Maps



Address: Omar Bin Khattab Street, Buraydah, KSA



Address: First Industrial City, Buraydah, KSA



First Industrial City
Buraydah, KSA
Phone: +966 16 3813914
Email: info@alwasail.com
Web: www.alwasail.com

 /alwasailIndustrial
 /alwasail
 /company/alwasail-industrial-company
 @alwasail_industrial_company



© Alwasail Industrial Company 2017

General Department of Marketing and Sales
King Abdul Aziz Street, Buraidah, Al Qassim, Saudi Arabia
Tel: +966 16 3833032 Fax: +966 16 3824997

Alwasail Industrial Co. - Riyadh (Local Branch)
P.O. Box 21599, Riyadh 11485, Saudi Arabia
Tel: +966 11 4508431 Fax: +966 11 4508430

International Marketing (Export Department)
Mr. Abdul Hameed
Telephone: + 966 11 4508435
Mobile: +966 506375685
E-mail: abdulhameed@alwasail.com

Sales Coordinator & CRM
Mr. Ghassan Khalid
Mobile: +966 506387882
E-mail: ghassan@alwasail.com



For inquiries regarding our products and services, visit our website at www.alwasail.com for more information.