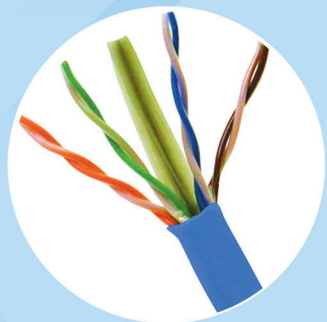


Amiantit Oman

Optical Fibre

CABLE DUCTS



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Amiantit Oman: Leaders in Pipe, Infrastructure & Moulded Products

Amiantit Oman was incorporated in 1974 by a Royal Decree of His Majesty Sultan Qaboos Bin Said. The company is now one of the largest manufacturing companies in the Sultanate of Oman with diverse product range. The Company is a joint venture of Omzest and Bahwan Groups, the leading business groups of Sultanate of Oman. Amiantit Oman is a stellar example of leadership through innovation, sustained growth and quality consciousness.

The company takes pride in its achievements which include His Majesty's Award for being one of the best five factories in the years for several years.

Today, its products enjoy unrivalled leadership in Oman's construction and infrastructure development sector. Amiantit Oman product range is split across five verticals namely PVC, HDPE pipes and fabrication products, Rotational moulding products, Glass Reinforced Concrete applications and Glass Reinforced Plastic products.

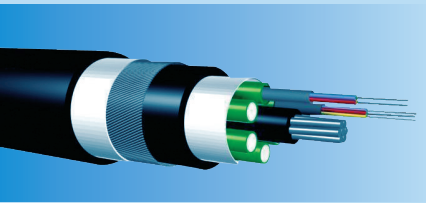
Amiantit Oman, an ISO 9001 company, is fully committed to delivering quality through its entire range of products and services. The company is also accredited with ISO 14001 and 18001, which reflect its concern for environmental care and occupational safety.

True to its tradition of providing quality products and services exceeding customers' expectations, Amiantit Oman has developed Optical Fibre Cable. Amiantit Oman Optical Duct is co-extruded with tough durable High Density Polyethylene (HDPE) jacket. AOOD and its' already existing PVC conduits are designed and engineered to house optical fibres; the sensitive nerves of information technology, thus enabling information transfer across the globe.

AOOD meets the communication sector's requirements of uninterrupted and reliable services for continuous transmission of data. The quality of AOOD in which these vital links are encased is dependable and provide the assurance of performance of preserving and protecting these lines for decades.

AOOD is manufactured using ultra-violet stabilised grade of HDPE with required Anti-oxidant content and other recommended additives. The inner layer of ducts is duly silicon coated which minimizes the friction between optical fibre cable and the duct during the process of blowing the cable with the ducts, thus providing smooth installation of OFC in the duct without damaging the cable fibres during or after installation. The permanent pathway remains intact for future repairs, replacements or upgrades.

From our extensive range of products, our customers can avail superior quality assortment of permanently lubricated (PLB) ducts that is extruded using High Density Polyethylene (HDPE), which makes these durable. The range is known for its optimum quality, easy to install features and is offered at competitive prices.



Product Range

Amiantit Oman Optical Cable Ducts are available in the following sizes:

S.No.	Duct Size	Outer Dia	Ovality (Max)	Wall Thickness	Standard Length
1	32/26	32+0.3	1.3	2.8 + 0.5	500/1000 Mtrs
2	40/33	40+0.4	1.4	3.3 + 0.5	500/1000 Mtrs
3.	50/42	50+0.5	1.4	3.7 + 0.5	500/1000 Mtrs
4.	1"	33.4+0.13	1.3	2.46 + 0.5	500/1000 Mtrs
5.	1 ¼"	42.16+0.13	1.4	3.12 + 0.5	500/1000 Mtrs
6.	1 ½"	48.26+0.13	1.4	3.58 + 0.5	500/1000 Mtrs

all sizes in mm

Other sizes as per NEMA, ASTM and as per customer's requirement can also be manufactured.

Applications

Amiantit Oman Optical Cable Duct has a unique application in guiding and protecting cables used for Tele-communications, Railway Information Network, Computer Networking, Cable Service providers, data transmission, energy, electric power transmission lines, et al.

AOOD is suitable for installation in the field dirt trenches under side walks, roads, within & between communication networks, between communication centers and cities. These ducts can also be used in branch networks between cells, distribution cabinets, poles, in walls and within subterranean networks of homes, allowing the insertion of communication cables – optical or copper, as well as aluminum coaxial cables for television. Cables can be inserted in the pipe by blowing with an internal air pressure of not more than 8 bars.



Why Amiantit Oman Optical Fibre Cable Ducts?

Product

AOOD offers a number of advantages:

- Optical Cable Ducts are manufactured by the most advanced co-extrusion technology using the best of raw materials.
- AOOD is faster and easier to install with less manpower.
- AOOD has reduced co-efficient of friction.
- Reduced Installation Cost.
- Easy movement of cable through bends.
- The lubricated layer is strongly hot bonded into HDPE so that the cable flows smoothly without any friction while blowing/pulling.
- It is evenly distributed around the bore and along the length of the duct.
- Due to its inert nature, it is possible to clean the duct with water stream in case of any obstruction/accident.
- It does not change frictional properties during the entire life span.
- Superior protection in harsh environment.

AOOD is produced with a smooth exterior layer without grooves, projections, depression or other defects. There are also no spaces of cavities between two layers of the duct. The co-efficient of friction between the inside and outside of the inserted communication cable does not exceed the optimum 0.06.

World Class Manufacturing & Quality

AOOD is a quality product from Amiantit Oman that ensures decades of hassle free service life.

Amiantit Oman is certified for ISO 9001, ISO 14001 and OHSAS 18001 quality systems.

Amiantit Oman's modern and well-equipped laboratory ensures high and consistent quality as per BIS, TEC and other National and International standards by carrying out the following tests.

- Visual inspection on outer and inner surfaces
- Dimensions
- Tensile Strength
- Elongation
- Crush Resistance
- Reversion
- Impact strength
- Optimal Co-efficient of Friction
- Oxidation Induction time

Company

Companies and consumers opt for Amiantit Optical Fibre Cable Ducts due to several advantages offered by Amiantit Oman.

- Superior quality products and services.
- Large manufacturing capacity.
- Long standing credentials.
- Engineering support backed by strong R & D and a large repertoire of cutting – edge technology offerings.
- Largest processor of plastics in Oman offering a wide variety of products, solutions and turnkey services for building communication (Telecom, Data and video), Water, Power and Gas Duct Networks.

CABLE DUCTS

Other OFC Duct Offerings

Amiantit Oman ofc Ribbed duct: External Smooth Wall & Internal Longitudinal Ribs.

Features & Benefits

- Internal oscillating longitudinal ribs lower friction allowing longer cable installations
- Testing has shown, Wave-Rib's internal oscillating longitudinal rib design eliminates cable twisting during placement.
- Available with either externally smooth wall or with inner straight longitudinal ribs.
- Available in wide range of strengths to match installation and service requirements.
- Wide variety of colour coding options for identification.
- Multiple options like internal lubrication, pull tape installed or as coils – eliminating reel costs. Long continuous lengths, fewer joints, better system integrity.

Micro Duct

HDPE Mini Duct for Installing Micro Fibre Cables.

Features & Benefits

- Optimizes system design and utilization
- Available in various sizes
- Single and multiple (bundled) configurations for specific project needs
- Permanently lubricated with our unique co-extrusion process for longer micro fibre cable installations.
- Variety of colours available for easy identification
- Sequential foot or meter markings
- Standard stock lengths for faster service



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