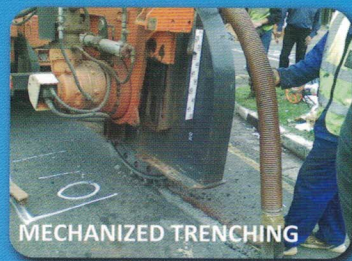
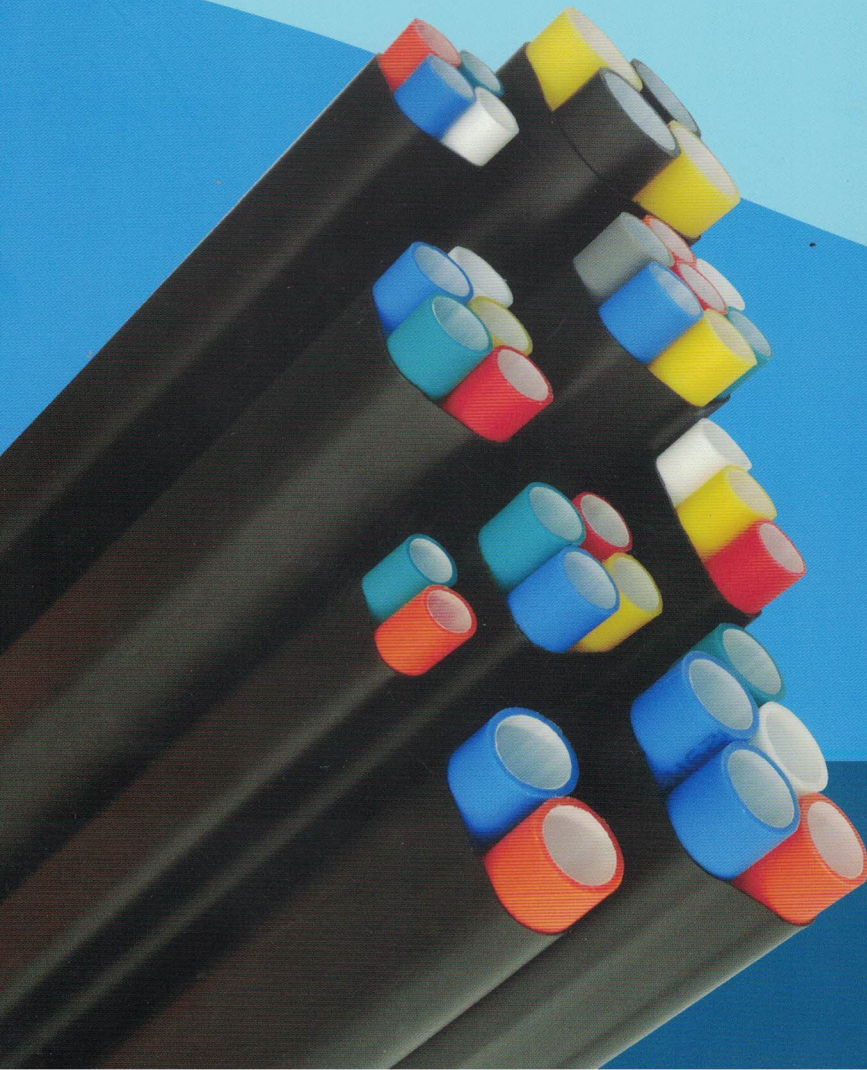


dura·line

# Jumbo Future Path<sup>TM</sup>

*Faster, Safer, Easier & Cost-effective way for  
building future-proof Communication Networks....*



MECHANIZED TRENCHING



PLOUGHING

# Jumbo Future Path (JFP)

Jumbo Future Path (JFP) is the latest in the series of product Innovation from Dura-Line, essentially consisting of multiple HDPE ducts of specific sizes and construction, all carefully bundled with a PE over sheath, suitable for direct burial underground application. All the Ducts have inner permanent super-slick lining of Silicore to reduce friction during cable placement.

The product is the right choice for all Project Managers in bringing best savings through reductions in project cost and time besides making the network innovative, flexible and futuristic.

- Available in different duct sizes, viz **20mm, 25mm, 32mm, 40mm & 50mm O.D.**
- In bundles of **2 to 7 pathways**, supply lengths of upto **1000 mtrs.**
- Ideal for Backbone, Metro & Campus networks.
- Suitable for installation through Open trench, Ploughing, Saw Cut or HDD.

## JUMBO FUTURE PATH (JFP) BENEFITS

Jumbo Future Path offers significant benefits over Traditional Network Designs.



Main Duct supplied in 6-12 meter lengths

Traditional Network

### Reduction in Installation & civil Costs

- Reduces jointing & laying costs of Main ducts;
- Reduces cost of pulling in sub-ducts which are pre-bundled from factory
- Reduces consumption of manholes by > 30%
- Trench size is minimized; savings in civil cost > 30%



Continuous Supply length of 500-1000 meters.

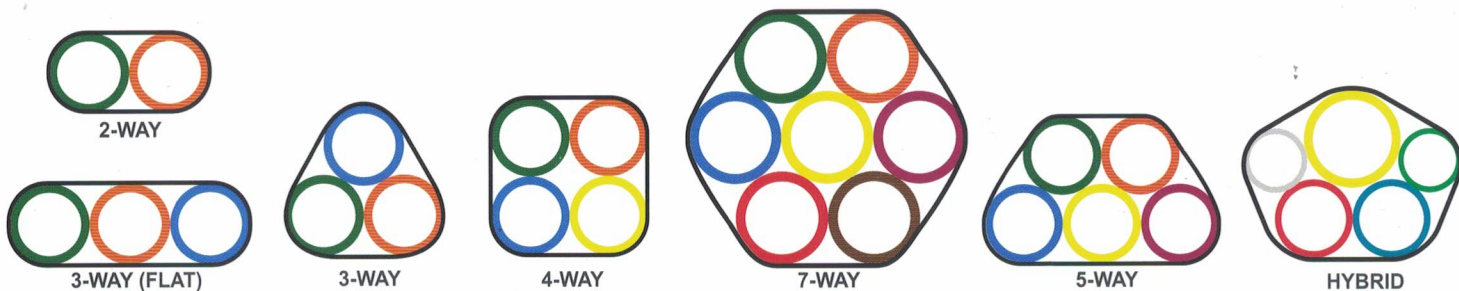
JFP Network

### Improves cable installation performance reducing cost

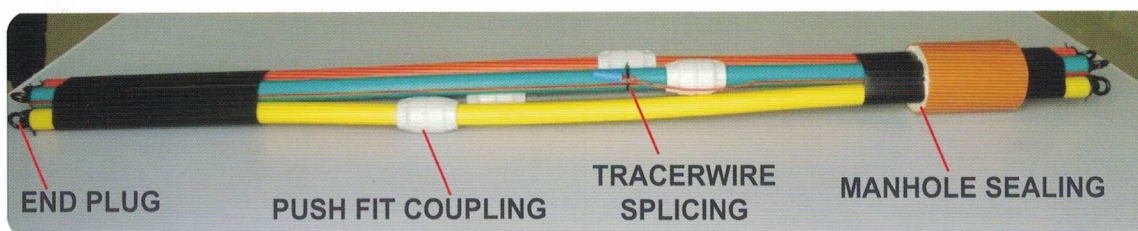
- Pre-installed pull rope saves cable installation costs
- Silicore™ inner layer
  - Cable Blowing up to 2 Kms.
  - Lower Pulling force (approx. 80% lower than non silicore ducts)
  - Higher fill factor enabling use of higher dia cables in each duct

### Quick network roll out; lower project management costs

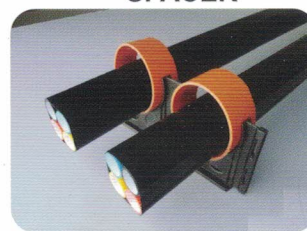
## JUMBO FUTURE PATH (JFP) CONFIGURATIONS



## ACCESSORIES FOR INSTALLATION



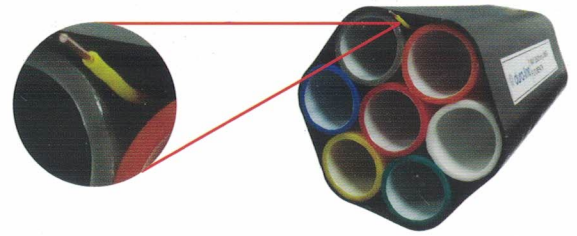
### SPACER



# INNOVATIVE TRACEABILITY FEATURE

Jumbo Future Path (JFP) in all configurations can be offered with a value added Detectability Feature, through tracer copper wire along its entire length. It provides following benefits:

- Inch by Inch traceability of underground network.
- Accurate Depth Measurement.
- Identifies and records GPS co-ordinates.
- Provides Traceability and depth measurement to networks built with HDD.
- Avoids cutting/damaging other networks and saves time and repair cost during maintenance / upgradation.



## GPS Longitudinal and Latitudinal Report

Log No	Longitude	Latitude	Depth (m)	Current (A)
"1	73°56'9.42"E	15°22'21.923"N	0.294	0.007
"2	73°56'9.366"E	15°22'21.894"N	0.338	0.006
"3	73°56'9.636"E	15°22'21.426"N	0.284	0.004
"4	73°56'9.954"E	15°22'22.656"N	0.493	0.005
"5	73°56'9.738"E	15°22'22.71"N	0.362	0.005
"6	73°56'9.126"E	15°22'20.268"N	0.039	0.028
"7	73°56'8.975"E	15°22'20.31"N	0.298	0.008
"8	73°56'8.982"E	15°22'20.31"N	0.276	0.007
"9	73°56'8.982"E	15°22'20.31"N	0.301	0.008
"10	73°56'8.988"E	15°22'20.304"N	0.3	0.009



Transmitter

Duct Locator

GPS Receiver

## FEATURES

### INSTALLATION APPLICATION:

Underground, Plowed, Open Trench, Directional Drilled

### MARKET APPLICATION:



### COLOR:



### OPTIONS:

**FOOTAGE MARKINGS** Sequential foot or meter markings. Custom print streams available.



**SILICORE™** SILICORE is co-extruded with the tough HDPE jacket creating a super, slick permanent lining. SILICORE lined ducts allow for higher speed cable jetting and longer cable pulls.

### RIP CORD

Rip Cord(s) for easy opening of the sheath.

### LOCATE WIRE

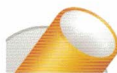
All JFP configurations can be supplied with Tracer copper wire for 100% traceability.

### SUBDUCT OPTIONS

Smooth Inner Wall,

Straight Inner Ribbed,

Spirally Inner Ribbed



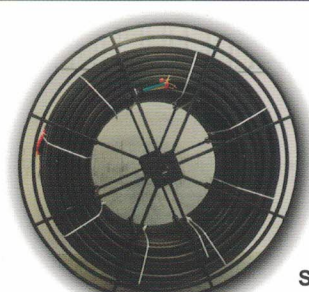
### PRE INSTALLED ROPE

Subducts can be supplied with pre installed cable pull rope from factory

## SUPPLY / PACKING OPTIONS



Coils



Steel Reel

# COMPANY PROFILE

**Dura-Line Middle East** is a part of **Dura-Line Corporation** (headquartered in Knoxville, Tennessee, USA). Dura-Line is the world's largest manufacturer of "Silicore" Permanently Solid Lubricated HDPE Ducts, Conduits, Fluid Pipe Systems, Power and Gas Ducting solutions. It serves clients in over 135 countries and its current 22 manufacturing facilities are spread over United States, Mexico, Czech Republic, Oman, India and South Africa.

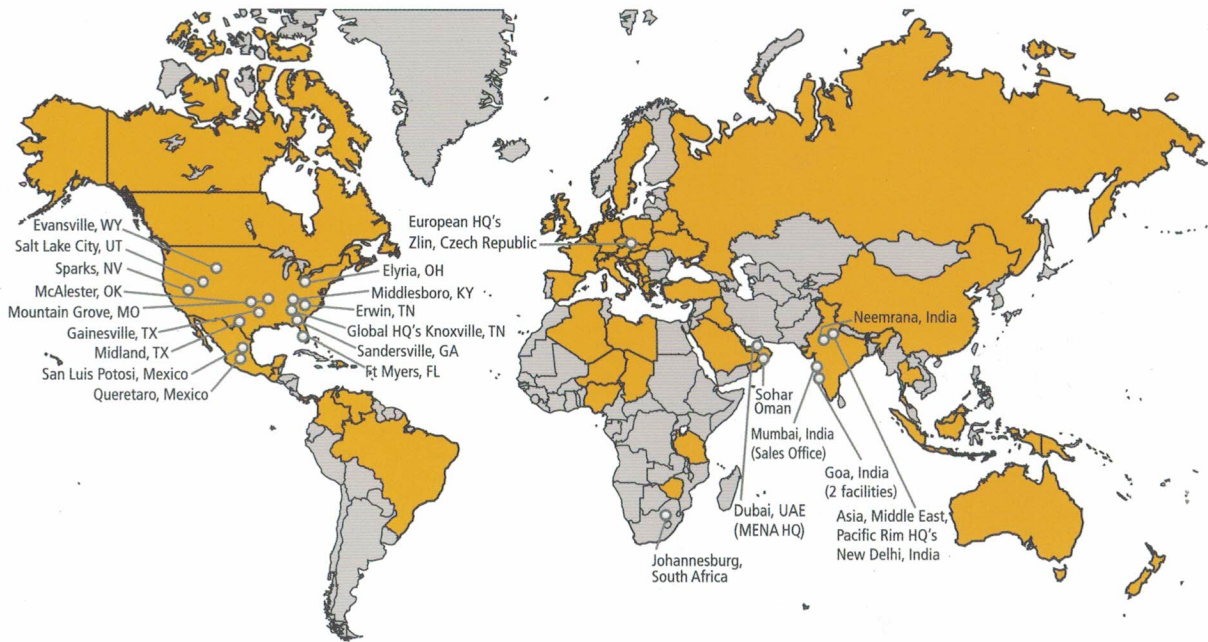
Backed by a strong R&D and a large repertoire of "cutting-edge technology" offerings, Dura-Line is ISO 9001, ISO 14001 and OHSAS 18001 certified, and has a tradition of providing quality products and services exceeding customers' expectations. It offers products, solutions and turnkey services for building future-proof Communication (Telecom, Data, and Video), Fluid, Gas and Power Duct Networks. The solutions include end-to-end services-from route designing & engineering, trenching, supply and laying of ducts & cables, fluid pipelines, testing etc.

"Duraline - Plumettaz Fiber Academy" at Goa, India imparts training on the best practices and advanced techniques of Fiber Network Roll-out including PON FTTH Networks.

Dura-Line is a Partner of Choice of several major Global Telecom Operators worldwide with exclusive multi-year contracts.



## "Dura-Line – Global Presence"



USA



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INDIA



MEXICO



OMAN



SOUTH  
AFRICA

For further enquiries, please contact:

### Oman - Factory

**DURA-LINE Middle East LLC**

Phase -V, Plot No-5171, 5184, 5216

P.O. Box: 530, P.C:322

Sohar Industrial Estate, Sohar,

Sultanate of Oman

Tel: +968-26701593/1648, Fax: +968-26701620

enquiries@duraline.com

### Global Headquarters

11400, Parkside Drive, Suite 300

Knoxville, TN-37934, USA