

BLOWN STYLE LanPro Micro Ducting System

Micro Duct construction characteristics:

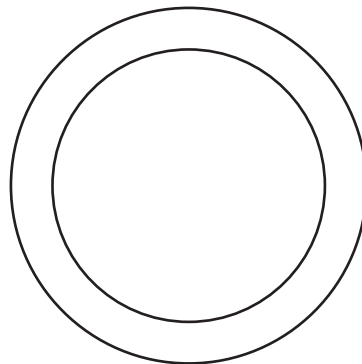
- Two layers, inner and outer layer is manufactured by the technology of synchronized extrusion of PE in order to achieve the tight joint without separation.
- Inner wall of duct has two kinds: smooth inner wall or the inner wall with longitudinal ribs to guide the airflow.
- No matter which kinds, both are permanently solid lubricant layer with very low friction of coefficient. The duct surface is smooth without defects such as visible holes or scars.



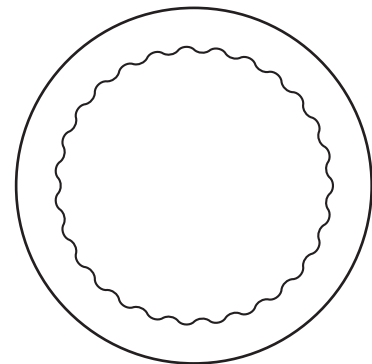
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Micro duct refers to the duct made of high density polyethylene (HDPE) as raw material and made by PE co-extrusion technology. Its nominal out diameter is less than 16mm and its inner wall is permanent solid lubricant layer (silicon layer). Its inner wall has two kinds as below:

In general, there are two typical sections of mico duct as follows:



**Micro duct
with smooth inner wall**



**Inner wall with longitudinal
ribs to guide the airflow**



SHD (super heavy duty)



HD (heavy duty)



Indoor

A Type and Dimension Deviation of Micro Duct:

Type	Named Dimension mm OD×ID	OD Deviation mm	Wall Thickness Deviation mm
LPM0535	Φ5.0×3.5	-0.10, +0.10	-0.1, +0.1
LPM0735	Φ7.0×3.5	-0.10, +0.10	-0.1, +0.1
LPM0755	Φ7.0×5.5	-0.10, +0.10	-0.1, +0.1
LPM0806	Φ8.0×6.0	-0.10, +0.10	-0.1, +0.1
LPM1008	Φ10.0×8.0	-0.10, +0.10	-0.1, +0.1
LPM1210	Φ12.0×10.0	-0.10, +0.10	-0.1, +0.1
LPM1410	Φ14.0×10.0	-0.10, +0.10	-0.1, +0.1
LPM1412	Φ14.0×12.0	-0.10, +0.10	-0.1, +0.1
LPM1614	Φ16.0×14.0	-0.10, +0.10	-0.1, +0.1
LPM2016	Φ20.0×16.0	-0.10, +0.10	-0.1, +0.1

B Technical Specification:

Items	Unit	Technical Specification
Structure and Dimension	mm	Refer to Picture 4: Type and Dimension Deviation of Micro Duct
Tensile Strength	MPa	≥20
Elongation Rate at break	%	≥350
Bending Test	-	≥12D
Longitudinal Conversion Rate	%	≤3
Endurable Inner Pressure	MPa	1.2
7 Friction Coefficient of inner wall	-	≤0.1

C Advantages:

Micro duct is a new high-tech products, in reducing the cost, easy construction conditions, exponentially enhance the value of existing underground pipeline capacity and resources, has a traditional pipe products irreplaceable advantages.

D Packing, Storage and Transportation of Tube Bundle:

Tube Bundle can be wound round the removable drum; both ends of duct are sealed and fixed onto the drum. PE film is wrapped round the duct drum. In general, the applied temperature range is:

Storage, Transportation	-10°C ~ 50°C
Application	-10°C ~ 50°C

Note:

- Tube bundle should be stored at even site, the distance between duct and heat source should not be less than 5 meters. Tube bundle should not be touched with high temperature heat source or open fire directly and not be exposed under the strong sunlight for a long time.
- During the installation, maintenance and transportation of tube bundle, tube bundle cannot be strongly threw, heavily pressed and rubbed.