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Product Datasheet MHT 2630

Generic Specification Thinwall Microduct



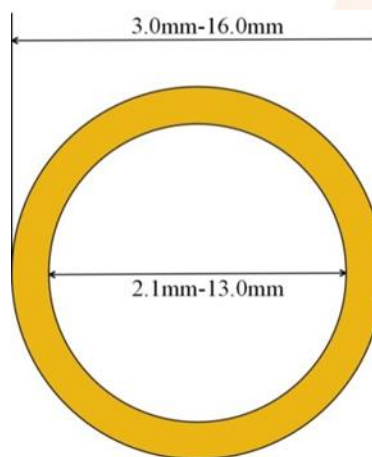
Product Description

Polyethylene microduct used as a fibre pathway, having enhanced performance when used for fibre blowing. Each microduct has performance as described below.

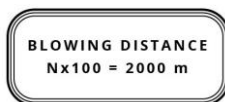
Microducts can be used individually or are combined in various combinations then sheathed to give protected microduct assemblies for installation into the network.

Note 1: Diameters and thicknesses are measured to the nearest 0.1mm unless otherwise stated.

Note 2: 'Nominal' data is based on mid-spec, and is for information only, not for inspection purposes



Product Benefits



Microducts are tested according to IEC 60794-5

Blowing track: up to 2000m, route and fibre/cable dependent

Em-Liner for Low Friction and best blowing results

UV-Protection up to 2 years in EU

Pressure tight up to 15 bar

Microduct, POLYETHYLENE

- Extruded from 100% virgin material (no re-used PE content)
- Inner surface coefficient friction max 0.1 μ
- Identification: Microduct shall contain colour to aid identification, may also be striped. When used in an assembly, each microduct can be individually printed to further aid identification.

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Outside Diameter (mm) nom	Inside Diameter (mm) nom	Weight (g/m)	Minimum Bend Radius (mm)	Maximum* installation pull force (N)
3.0	2.1	3.3	30	20
4.0	2.1	8.7	40	50
4.0	2.5	7.1	40	45
4.0	2.7	6.4	40	35
4.0	2.8	6.0	40	38
5.0	3.5	9.3	50	60
6.0	4.5	11.5	60	74
7.0	5.5	13.7	90	88
8.0	6.0	20.4	110	130
10.0	8.0	26.3	130	250
12.0	9.6	38.8	160	360
12.0	10.0	32.1	160	300
14.0	11.5	46.5	190	440
14.0	12.0	39	190	360
16.0	13.0	63.5	210	610

*Up to 8/6 microducts are typically LDPE, HDPE available and will give increased load. Sizes above 8/6 microducts are typically HDPE

Testing, Microduct

Crush	IEC 60794-1-2-Method E3	Procedure to IEC 60794-5
Impact	IEC 60794-1-2-Method E4	Procedure to IEC 60794-5
Kink	IEC 60794-1-2-Method E10	Procedure to IEC 60794-5
Bend	IEC 60794-1-2-Method E11	Procedure to IEC 60794-5

Testing, Material

Material		HDPE	LDPE
Melt Flow Rate (MFR)	190°C -2.16kg	0.16g/10 minutes	0.2g/10 minutes
	190°C -5kg	0.89g/10 minutes	0.9g/10 minutes
	190°C -21.6kg	23g/10 minutes	20g/10 minutes
Density		0.958g/cm ³	0.927g/cm ³
Tensile Stress at Yield		28MPa	15MPa
Tensile Strain at Break		>600%	550%

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