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## **Product Datasheet MHT 2643**

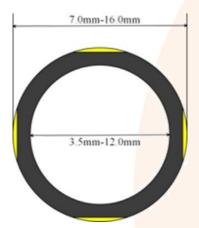
# **Generic Specification Thickwall Microduct**



### **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 and over-sheathed to give protected microduct assemblies for installation into the network.



#### **Product Benefits**



BLOWING DISTANCE Nx100 = 2000 m





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)
- Ribbed and smooth bore available.
- Inner surface coefficient friction max 0.1µ
- 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	Inside	Weight (g/m)	Minimum	Minimum	Maximum
Diameter	Diameter		Bend Radius	Bend Radius	installation pull
(mm) nom	(mm) nom		>5°C (mm)	<5°C (mm)	force (N)
5.0	2.5	14	65	130	200
7.0	4.0	25	70	140	375
7.0	3.5	28	70	140	425
8.0	5.0	29	80	160	450
8.0	4.4	33.6	80	160	500
8.0	4.0	36	80	160	500
8.0	3.8	37	80	160	600
8.0	3.5	39	80	160	600
10.0	6.0	48	100	200	750
12.0	8.0	60	120	240	950
14.0	10.0	71	140	280	1100
16.0	12.0	84	160	320	1300
16.0	10.0	117	160	320	1900

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.

Testing, Microduct		
Tensile	IEC 60794-1-2-Method E1	Procedure to IEC 60794-5
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		
	190°C -2.16kg	0.16g/10 minutes
Melt Flow Rate (MFR)	190°C -5kg	0.89g/10 minutes
	190°C -21.6kg	23g/10 minutes
Density		0.958g/cm <sup>3</sup>
Tensile Stress at Yield		28MPa
Tensile Stress at Break		>600%

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