



Product Datasheet MHT 2847
Generic Specification 7/3.5mm DBR (with tracer wire)



Product Description

Assemblies of strong polyethylene (PE) microducts (m/d), each with low friction performance. These strong bundles are designed for direct burial in suitably prepared ground and contain a tracer wire for locating 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-Protected	Pressure tight up to 15 bar

Application and Design

Inner surface:
 Smooth or ribbed + Em-Liner



Colour identification of single ducts:
 Images above are for illustration purposes only. Sheath and microduct colours to be selected at product set up, translucent with stripes or uni-coloured available.

Other colours upon request

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Tracer wire*	
Sheath material	PVC
Details	0.63mm , 88ohm/km
Generic Details: Single Microduct	
Material	Polyethylene HDPE
Outer diameter	7.0 nominal
Inner diameter	3.5 nom
Mass, nominal	27.5 g/m
Generic Details: Microduct Bundle	
Inner sheath material	Polypropylene
Inner sheath thickness	0.70mm nominal
Outer sheath material	Hi-UV Polyethylene, Black
Outer sheath thickness	1.3mm nominal
Sheath removal	Using appropriate sheath cutting tool
Number single ducts	1-12

*Other tracer wires are available and should be selected a product set up

Product-Specific Details

Type	Outer Diameter	Mass	Max. Pull Tension (Installation)	Min Bend radius factor xD
7/3.5mm				
1-WAY DBR	11.0 x 12.0 mm	94 g/m	600 N / 60 kg	15
4-WAY DBR	18.0 mm	218 g/m	1.4 kN / 140 kg	15
7-WAY DBR	25.0 mm	327 g/m	2.0 kN / 200 kg	15
12-WAY DBR	32.4 mm	504 g/m	3.25 kN / 325 kg	18

Operating Parameters

Installation temperature	-20°C...+40°C
Transportation and storage temperature	-40°C...+60°C
Installation + Blowing ideal	+5°C...+20°C

Testing

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

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