Issue B: 25/02/2025

Product Datasheet MHT 2841

Generic Specification 14/10mm DBR (with tracer wire)

FibreFlow™

Product Description

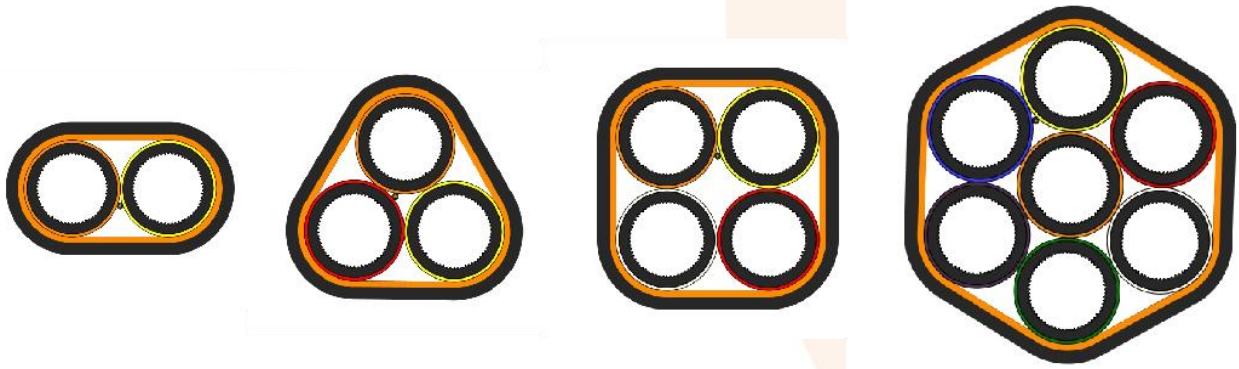
Assemblies of strong polyethylene (PE) microducts (m/d), each with low friction performance.
These strong bundles are designed for direct burial in suitably prepared ground and contain a tracer wire for locating purposes.

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

Tracer wire*	
Sheath material	PVC
Details	0.63mm , 88ohm/km

Generic Details: Single Microduct	
Material	Polyethylene HDPE
Outer diameter	14.0 nominal
Inner diameter	10.0 nom
Mass, nominal	72 g/m

Generic Details: Microduct Bundle	
Inner sheath material	Polypropylene
Inner sheath thickness	1.0mm nominal
Outer sheath material	Hi-UV Polyethylene
Outer sheath thickness	2.0mm nominal
Sheath removal	Using appropriate sheath cutting tool
Number single ducts	2-7

*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
14/10mm				
2-WAY DBmf	20.0 x 34.0 mm	373 g/m	3.0 kN / 300 kg	17
3-WAY DBmf	36.2 mm	484 g/m	3.75 kN / 375 kg	17
4-WAY DBmf	39.8 mm	596 g/m	4.75 kN / 475 kg	17
7-WAY DBmf	48.0 mm	890 g/m	7.0 kN / 700 kg	19

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