

# MHT2811



## Ultra-low Friction Sheath Fibre Unit

### Product Description

Fibre Unit (FU) with fibres set in an encapsulating layer providing excellent dimensional and thermal stability. An outer thermoplastic layer provides a high level of protection and excellent installation properties. The FU is designed as a fibre element for installation into FibreFlow products. The fibres are dry, not coated with gel, thus permitting fast and contamination –free connections.

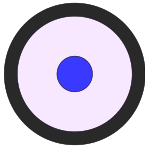
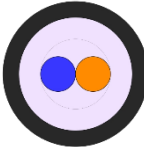
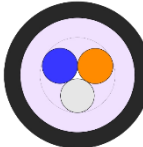
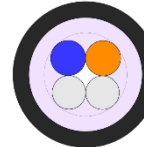
The FU contain ‘low water peak’ single mode fibres meeting the ITU-T recommendation G.657A2.

### Design Features

- ⊗ Designed to be installed by pulling and blowing into FibreFlow product.
- ⊗ Low weight.
- ⊗ Small diameter.
- ⊗ All dielectric design.
- ⊗ Ultra-low friction sheath.
- ⊗ Best in class blowing performance.
- ⊗ Low coil set.

### Specifications

Outer Sheath: Ultra Low friction, black, 0.115mm thick

				
	1f	2f	2f + 1 Filler	2f + 2 Fillers
Outer Diameter (nominal)	1.05 mm	1.05 mm	1.05 mm	1.05 mm
Mass (nominal)	1.016 g/m	1.037 g/m	0.992 g/m	1.047 g/m
Min Bend Radius	20mm	20mm	50mm	50mm
Max Installation Pull Force	16N	16N	16N	16N
Fibre Type	Singlemode compliant with G.657.A2 (ITU-T) and MHT2050			
Temperature	-20°C to +60°C			
Storage	-10°C to +50°C			
Installation	-20°C to +60°C			
Lifetime				
Attenuation at 20°C (dB/km)	0.40 dB/km max at 1310nm to 1625nm 0.30 dB/km max at 1550nm 0.34 dB/km max at 1383nm water peak			
PMD <sub>Q</sub> (M=20 Q=0.01%)	≤0.2 ps/ (km) <sup>0.5</sup>			
Macro bending Performance (Individual stripped out fibre)	10 turns at 15mm radius, 0.03dB max at 1550nm, 0.1dB max at 1625nm. 1 turn at 10mm radius, 0.1dB max at 1550nm, 0.2dB max at 1625nm. 1 turn at 7.5mm radius, 0.5dB max at 1550nm, 1.0dB max at 1625nm.			

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