

FibreFlow Microcable Fibre Unit (FU)

If asked to list the most important issues to be considered when choosing a high performance fibre unit, most people would include: performance, ease-of-handling and durability. In all these criteria, Emtelle's microcable FU has been shown to exceed other currently available fibre units.

In contrast with previous generation fibre units (typically known as "EPFU"), Emtelle's fibre unit contains a state-of-the-art, specifically designed polymeric sheath that is optimised for blowing: tests (500 metres at 50 metres per minute) have shown that this sheath, in combination with the fibre unit's single layer resin, improves blowing performance up to 50%.

The fibre unit, which is compatible with industry-standard blowing equipment, is also extremely easy to use and handle. For example, compared to other methods, stripping the fibre can be done simply, quickly

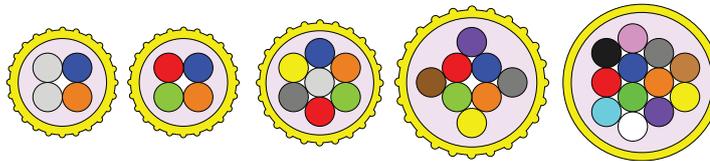
and with greater reliability. This ensures considerable savings on the costs associated with manpower. In terms of durability, the fibre unit again outperforms legacy designs.

- ▶ Ease of handling and durability
- ▶ Compatible with industry-standard blowing equipment
- ▶ Optimised for blowing
- ▶ Proven in many worldwide projects



Standard sheath colour is yellow. Other colours are available on request.

	2 Fibre		4 Fibre		6 Fibre		8 Fibre		12 Fibre			
Diameter	1.1 mm		1.1 mm		1.3 mm		1.5 mm		1.6mm			
Weight (mass)	1.0 g/m		1.0 g/m		1.6 g/m		1.8 g/m		2.2 g/m			
Breakout	typically 2 mins for 3m											
Blowing distance	up to 2000m											
Minimum Bore size	2.1mm		2.1mm		2.5mm		3.5mm		3.5mm			
No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Red	Grey	Yellow	Brown	Violet	Black	Aqua	Pink	White
Packaging	fibre rosette into pan											
Fibre types	single mode ITU-T G.652d											
	single mode ITU-T G.657A1 G.657A2											
	single mode ITU-T G.655											
	multi mode 62.5/125 OM1											
	multi mode 50/125 OM2, OM3, OM4											



Refer to page 11 for product codes.



Microduct size mm	Microcable FU fibre count				
	2	4	6	8	12
3.0/2.1	✓	✓			
5.0/3.5	✓	✓	✓	✓	✓
8.0/6.0	✓	✓	✓	✓	✓

Combo fibre unit (MHT1204)

Combinations of multi mode fibres, optionally together with single mode fibre types or filling elements specific to customer requirements. Contact your local Emtelle representative for further details.

For relevant Tools, refer to page 83
 For Installation Equipment, refer to page 75
 For Fibre Restraint Methods, refer to page 91

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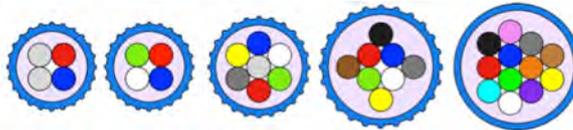
FibreFlow Microcable FU product codes

Fibre Count	single mode ITU-T				multi mode			
	G.652d	G.657A1	G.657A2	G.655	62.5/125 OM1	50/125 OM2	50/125 OM3	50/125 OM4
2	9032	9506	90139	90766	9021	7653	9058	9180
4	7590	9507	91033	90159	7578	7577	6669	9181
6	90024	90761	91032	-	90767	90768	90769	90770
8	7589	9509	91034	90160	7580	7583	6668	9182
12	7575	9510	90765	9179	7582	7581	7714	9013
Generic Specification	MHT1201	MHT2185	MHT2185	MHT1202	MHT1203			
Technical Specification	MHT1401	MHT2050	MHT2050					

Order Example 2 fibre G652d = Product Code 9032 and specify standard length required

XC Fibre Bundle

Fibre Unit (FU) with up to twelve fibres set in a layer providing excellent dimensional and thermal stability. An outer thermoplastic layer provides a high level of protection and excellent installation properties. The microcable is designed for blowing and pushing long distances into microducts and tube bundles. The fibres are dry, not coated with gel, thus permitting fast and contamination-free connections.



Fibre Count	Fibre Type	Generic Spec
2	G657A2	MHT2649
4	G657A2	MHT2649
12	G657A2	MHT2649

Pan Weights and Dimensions (ext. height x diameter)

Standard Length	2 fibre	4 fibre	6 fibre	8 fibre	12 fibre
12,000m	16.5 kg Large	-	-	-	-
6,000m	10 kg Medium	14.0 kg Large	15.0 kg Large	18 kg Large	
4,000m	6.5 kg Small	10.2 kg Medium	11.0 kg Medium	13.0 kg Medium	
2,000m	4.5 kg Small	5.7 kg Small	6.0 kg Small	7.0 kg Small	

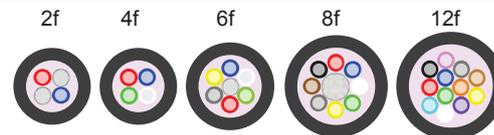
Emtelle can also offer non-standard lengths. These may be subject to longer lead-times than our standard product range. Please call your local Emtelle representative to check for availability.

Small: diameter 540mm, height 200mm,
Medium: diameter 540mm, height 300mm,
Large: diameter 540mm, height 400mm



NordicLite Nanocable

Optical fibre microcable with up to twelve 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 microcable is designed for blowing and pushing long distances into microducts and tube bundles. The strong outer sheath means that additional protection is not required in protected closures or cabinets. The fibres are dry, not coated with gel, thus permitting fast and contamination-free connections.



NordicLite

Fibre count	Product code
2	91051
4	91052
6	91053
8	91054
12	91055

Key Features:

- ▶ Designed to be installed by blowing, pulling or pushing
- ▶ Low weight
- ▶ Small diameter
- ▶ All dielectric design
- ▶ Ultra low friction sheath
- ▶ Low coil set



Scan the QR-code with your smartphone and watch the NordicLite video.