

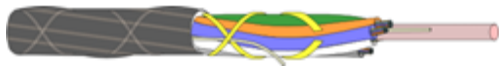


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## Product Datasheet MHT441

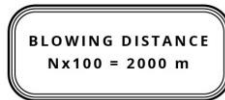
### Generic Specification Blown Mini Cable 4F-72F Singlemode



#### Product Description

Mini Cable family solution featuring a 6-element cable design. These cables are designed to be lightweight and suitable for installation into microducts using cable blowing techniques at 15 bar air pressure.

#### Product Benefits



Cables are tested according to IEC 60794-1-21	Blowing track: 2000 m Performance confirmed*	Light Weight Design improved blowing performance
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\*FibreFlow™ microducts test track with optimal duct size.

#### Technical Details

Fibre Counts	4 – 72
Stranding	SZ
Central strength member	FRP
Sheath Material (Other Material available on request)	HDPE
Sheath colour (Other Material available on request)	Black
Cable outer diameter	5.8 mm nominal
Cable mass	27 kg/km nominal
Minimum bend radius:	
Installation	20 x outside diameter
Operation	15 x outside diameter
Temperatures:	
Storage/Transport	-20°C to +70°C
Installation	-10°C to +50°C
Operating	-20°C to +60°C
Storage Time on Drum	12 months (recommended maximum)
Fibre Specification	ITU-T G.652D, G657A1, G657A2
Fibre Attenuation (20°C): maximum value	
1310 nm	0.36 dB/km
1383 nm	0.36 dB/km
1550 nm	0.25 dB/km

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### Standards and Testing

Test Name	Specification	Performance Measured
Tensile	IEC 60794-1-2-E1	500 N
Crush	IEC 60794-1-2-E3	700 N
Impact	IEC 60794-1-2-E4	1 Nm
Repeated Bending	IEC 60794-1-2-E6	Radius 20 x cable diameter, 35 cycles
Torsion	IEC 60794-1-2-E7	+/- 180°, 10 cycles
Cable Bend	IEC 60794-1-2-E11	Radius 20 x cable diameter, 4 turns, 10 cycles
Temperature Cycling	IEC 60794-1-2-F1	-20°C to +70°C
Water Penetration	IEC 60794-1-2-F5B	3 m sample, 1 m water column, 24 hours

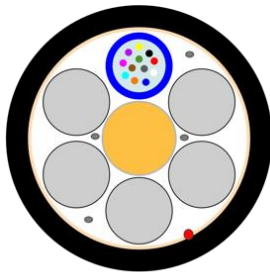
### Fibre & Tube Identification

Colours to EIA 598 or customer requirement

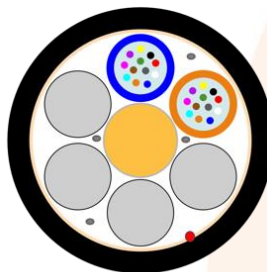
Tube: 1<sup>st</sup> 6 colours (filler elements where necessary, natural colour)

Fibre: allocated as per table below. (EIA 598)

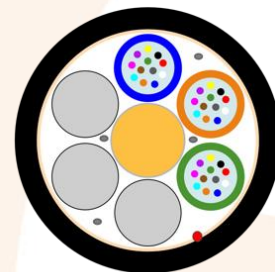
No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua



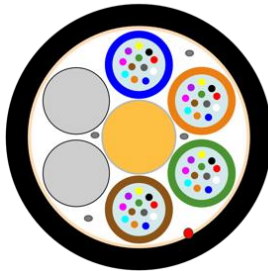
4, 6 or 12F  
Single tube



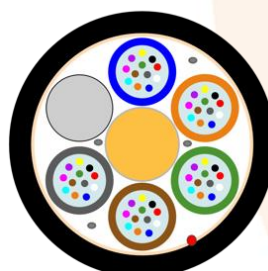
24F  
2 tubes



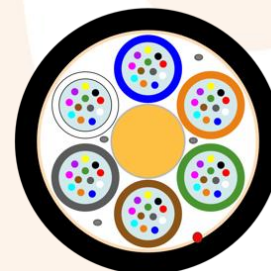
36F  
3 tubes



48F  
4 tubes



60F  
5 tubes



72F  
6 tubes

### Cable Sheath Marking

Marked every 1m with standard Emtelle printing or to customer requirement:

Emtelle FastFast BLOWN MINI CABLE – Year – Fibre Count, Fibre Type – Product Code – Batch ID – Meter Mark Sheath

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## Ordering Information

Fibre Count*	Emtelle Product code	
	G.652 D	G.657 A1
12 Fibre Cable	90175	90692
24 Fibre Cable	90134	90693
36 Fibre Cable	90176	-
48 Fibre Cable	90135	90409
60 Fibre Cable	90177	-
72 Fibre Cable	90136	90408

\*4F and 6f available on request

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