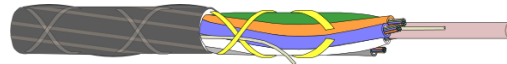


FibreFlow™
Blown Mini Cable 4-72f
Singlemode G652d
Nylon Sheath



Application

Optical mini cable for installation into microducts by blowing using air at pressures up to 15 bar using industry standard equipment. Examples of installation equipment are the CBS Airstream, Breeze, Plumettaz MiniJet, and PRM-196. Recommended minimum microduct bore 10mm.

Features and Benefits

Sheath:	Low friction for improved installation performance
Stripping:	Ripcord provided for quick and easy sheath removal
Colour coding:	Individually colour coded loose tubes for easy identification
Water Blocking:	Dry core with water swellable elements. Gel-filled loose tube.

Technical Data

Fibre Counts	4, 6, 12, 36, 24, 48, 60, and 72f	
Fibre Specification	ITU-T G.652D	
Stranding:	SZ	
Central strength member:	FRP	
Cable outer diameter:	5.8 mm nominal	
Cable mass:	27 kg/km nominal	
Maximum tensile load:	500 N	
Crush resistance:	700 N (100 mm plate)	
Minimum bend radius:	During installation	20 x outside diameter
	During 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)	
Standard fibre type:	Single mode to G652d (ITU-T)	
Fibre Attenuation (20°C):	0.36 dB/km max at 1310 nm and 1383 nm	
	0.25 dB/km max at 1550 nm	

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

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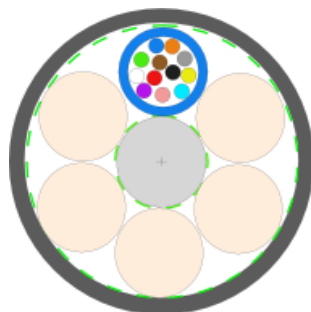
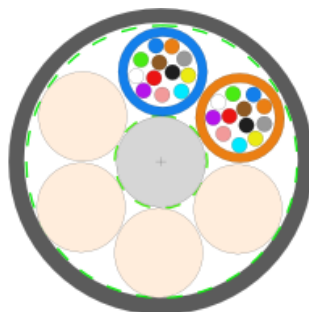
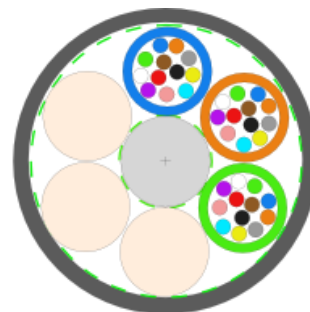
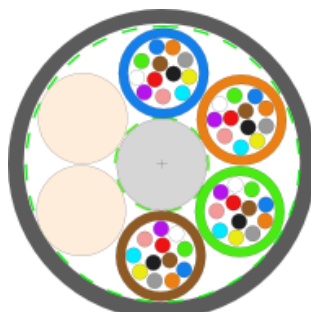
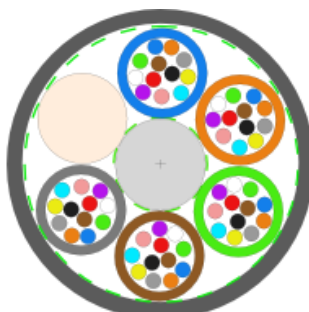
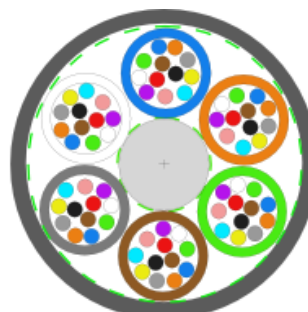
FIBRE AND TUBE IDENTIFICATION

Colours to EIA 598 or customer requirement

 Tube: 1st 6 colours (filler elements where necessary, natural colour)

Fibre: allocated as per table below.

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
1 tube

 24f
2 tubes of 12

 36f
3 tubes of 12

 48f
4 tubes of 12

 60f
5 tubes 12

 72f
6 tubes of 12

SHEATH MARKING

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

Emtelle Fibreflow – Year – Fibre Count, G652d – Product Code – Batch ID – Meter Mark

SHEATH

Nylon

Colour black or customer requirement

ORDERING INFORMATION

Product Code	Description
tba	4f Minicable G652d
tba	6f Minicable G652d
tba	12f Minicable G652d
tba	24f Minicable G652d
tba	36f Minicable G652d
tba	48f Minicable G652d
tba	60f Minicable G652d
tba	72f Minicable G652d

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