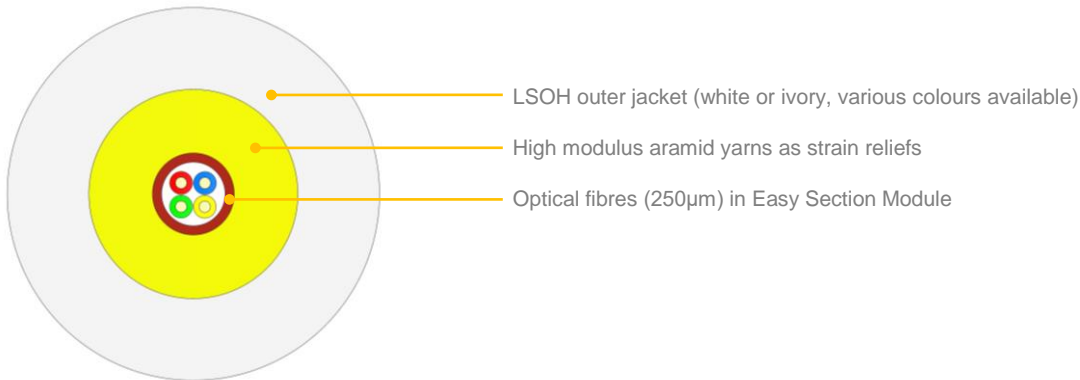


Type:	VC-D40 ESM	REV: 1.3
Issued:	01/01/2014	SK
Modified:	06/11/2017	RM

## FTTH Single LSOH Jacket Cable – 1-4F in 900µm module – Drop Cable with Aramid Strength Members VC-D40 with Easy Section Module



### APPLICATION:

Optical cable with aramid yarns reinforcement  
For customer connection  
Fully dielectric cable  
Last mile connection  
LAN and FTTH networks  
Distribution network  
ODF connections  
Inside house OLT connection

### DESIGN:

Optical fibres (up to 4 pcs) inside 900µm Easy Section Module  
Aramid strength element  
LSOH outer jacket

### CONFIGURATION:

Version	Quantity [pcs]				Ø nominal (±0,1) [mm]	Nominal weight (±10%) [kg/km]	Max allowed tension [N], ε <sub>f</sub> =0,5%	Max static tension [N], ε <sub>f</sub> =0,05%
	Fibres	Fibres per module	Total elements	Active modules				
2F	2	2	1	1	4,1	15	420	150
4F	4	4	1	1	4,1	15	420	150

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	EN 187101, IEC 60794-1-2-E1, Δα≤0,05 dB/km	420 N (ε <sub>f</sub> =0,50%)	
Max long term tensile load	EN 187101, IEC 60794-1-2-E1, Δα≤0,05 dB/km	150 N	
Crush performance	EN 187101, IEC 60794-1-2-E3, Δα≤0,1 dB, reversible	1000 [N/10 cm]	
Bending performance	EN 187101, IEC 60794-1-2-E6, R=20mm, 20N, 35 cycles	no damage	
Temperature range	Installation	EN 187101, IEC 60794-1-2-F1, Δα≤0,05 dB/km	
	Operation		-5... +55 [°C]
	Transport & Storage		-20... +70 [°C]
		-40... +70 [°C]	

(\*) values for single-mode fibres, all optical measurements performed at 1550nm

### OPTICAL FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION

Fibres and tubes identification information see **DSH\_Colors\_CODE\_XXXX** document.

### FIBRES PARAMETERS

Optical fibres parameters see **DSH\_OFFP** document.

### MARKING

The following print (black / inkjet) is applied at 1-meter intervals:

- Supplier: FIBRAIN
- Standard code (Product type, fibre type, fibre count)
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID / Drum No

**Example:** FIBRAIN VC-D40E 4F SM 1M4F G657A1 FTTH DROP CABLE LSOH "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is ±0,5%. Remarking is in accordance with Bellcore GR 20 and supersedes earlier markings. Occasional loss of marking is possible. Cables can be supplied with a range of single mode or multimode fibres and customized print.

The information is believed to be correct at the time of issue. Fibrain reserves the right to change this specification without prior notice. This specification is not contractually valid unless specifically authorised by Fibrain. Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Terms of Sale of the selling Fibrain subsidiary.

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### PACKING

Cables will be shipped on disposable plywood drums. Both ends of the cable will be capped and accessible for testing. Rotation direction arrow will be marked on the drum together with identification information.

### DELIVERY LENGTH

2000 – 8000 meters  $\pm$  5%, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed.

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