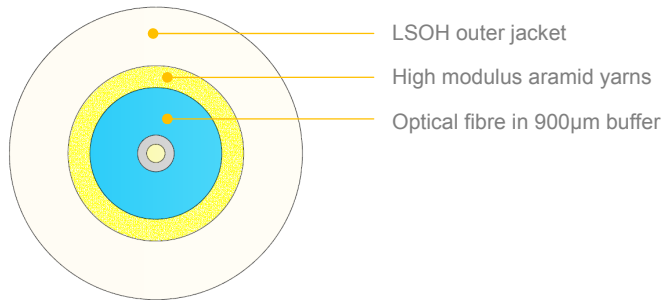


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## FTTH Single Jacket LSOH Minibreakout – 1F 900µm – Drop Cable with Aramid Strength Members VC-D30



\*schematic drawing, not to scale

### 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:

Aramid yarns as strain relief  
Optical fibre in 900µm semi tight buffers  
LSOH outer jacket

### CONFIGURATION:

Number of fibres	[pcs]	<b>1F 900µm</b>
Outer diameter	[mm]	<b>3,0</b>
Tensile load permanent / installation	[N]	<b>60 / 170</b>
Weight	[kg/km]	<b>8</b>
Min Bending radius	[mm]	<b>10-60mm</b> (depends on fibre type)

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha \leq 0,05$ dB/km	<b>170 N (<math>\epsilon_f=0,50\%</math>)</b>
Max tensile load long term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha \leq 0,05$ dB/km	<b>60 N</b>
Crush performance	EN 187101, IEC 60794-1-2-E3, $\Delta\alpha \leq 0,05$ dB	<b>500 [N/10 cm]</b>
Bending performance	EN 187101, IEC 60794-1-2-E6, R=15mm, 20N, 35 cycles	no damage
Temperature range	Installation	-5... +55 [°C]
	Operation	EN 187101, IEC 60794-1-2-F1, $\Delta\alpha \leq 0,05$ dB/km
	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-D30 1F SM G657A1 FTTH DROP CABLE LSOH "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is  $\pm 0,5\%$ . 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.

### 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.