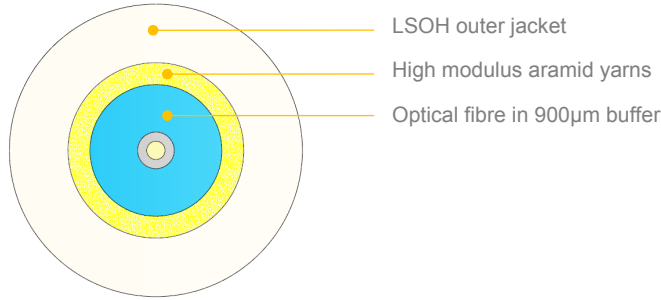


Type:	VC-D40	REV: 1.2
Issued:	01/01/2014	SK
Modified:	03/11/2015	PB

FTTH Single Jacket LSOH Minibreakout – 1-2 x 900µm – Drop Cable with Aramid Strength Members VC-D40



*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]	1-2 x 900µm buffered fibres
Outer diameter	[mm]	4,0±0,2
Tensile load permanent / installation	[N]	150 / 400
Weight	[kg/km]	15
Min Bending radius	[mm]	10-60mm (depends on fibre type)

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha$ reversible dB/km	400 N ($\epsilon_f=0,50\%$)
Max tensile load long term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha\leq 0,05$ dB/km	150 N
Crush performance	EN 187101, IEC 60794-1-2-E3, $\Delta\alpha\leq 0,05$ dB	1000 [N/10 cm]
Bending performance	EN 187101, IEC 60794-1-2-E6, R=20mm, 20N, 35 cycles	no damage
Temperature range	Installation	-5... +55 [°C]
	Operation	-20... +70 [°C]
	Transport & Storage	-40... +70 [°C]
	EN 187101, IEC 60794-1-2-F1, $\Delta\alpha\leq 0,05$ dB/km	

(*) 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-D40 2F 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.