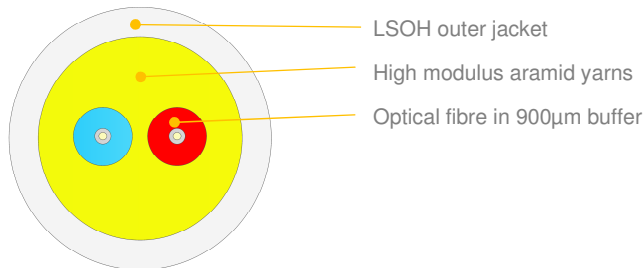


Type:	VC-D40	REV: 2.0
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FTTH Single Jacket LSOH Minibreakout – 1-2 x 900µm – Drop Cable with Aramid Strength Members VC-D40



*schematic drawing, not to scale

APPLICATION:

Customer connection
Fully dielectric
Last mile connection
LAN and FTTX networks
Distribution network
ODF connections
Inside house OLT connection

DESIGN:

LSOH outer jacket
Optical fibre inside 900µm semi tight buffers
Aramid yarns reinforcement

CONFIGURATION:

Number of fibres	[pcs]	1-2 x 900µm buffered fibres
Outer diameter	[mm]	4,1 (+0,1 / -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	IEC 60794-1-21-E1, $\Delta\alpha$ reversible dB/km	400 N ($\epsilon_r \leq 0,50\%$)	
Max tensile load long term	IEC 60794-1-21-E1, $\Delta\alpha \leq 0,05$ dB/km	150 N	
Crush performance	IEC 60794-1-21-E3, $\Delta\alpha \leq 0,05$ dB	1000 [N/10 cm]	
Bending performance	60794-1-21-E6, R=20mm, 20N, 35 cycles	no damage	
Temperature range	Installation	-5... +55 [°C]	
	Operation	-20... +70 [°C]	
	Transport & Storage	-40... +70 [°C]	
CPR Class	EN 50575:2014+A1:2016	1x900µm buffered fibres	Dca-s1bd0a1
		2x900µm buffered fibres	Dca-s1ad0a1

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

OPTICAL FIBRE AND MODULES COLOUR IDENTIFICATION

For optical fibres and modules identification information please see DSH_Colors_CODE_XXXX document.

FIBRE PARAMETERS

For selected post-production optical fibres parameters please see DSH_OFP document.

MARKING

The following print (inkjet) is applied at 1-meter intervals.

- Handset symbol
- CPR Euro Class
- Double Sine symbol
- Supplier FIBRAIN
- Type of cable
- Year of manufacture: xxxx
- Standard code (Product type, fibre type, fibre count)
- Length marking in meters
- Cable ID / Drum No

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Examples:

"HANDSET" – EN 50575 Dca – s1b, d0, a1 – " DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – " YEAR OF MANUFACTURE" – VC-D40 1F SM G657A1 FTTH DROP CABLE LSOH – "LENGTH MARKING" – "BATCH NUMBER"

"HANDSET" – EN 50575 Dca – s1a, d0, a1 – " DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – " YEAR OF MANUFACTURE" – VC-D40 2F SM G657A1 FTTH DROP CABLE LSOH – "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.

STANDARD 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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