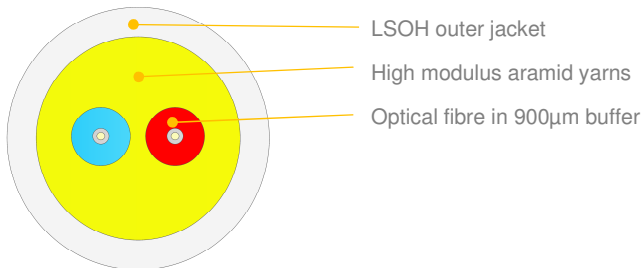


Type:	VC-D40	REV: 1.6
Issued:	01/01/2014	SK
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FTTH Single Jacket LSOH Minibreakout – 1-2 x 900µm – Drop Cable with Aramid Strength Members VC-D40



*schematic drawing, not to scale

APPLICATION:

Optical cable with aramid yarns reinforcement
For customer connection
Fully dielectric cable
Last mile connection
LAN and FTTX 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]	4,1 (+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	EN 187101, IEC 60794-1-21-E1, $\Delta\alpha$ reversible dB/km	400 N ($\epsilon_f=0,50\%$)	
Max tensile load long term	EN 187101, IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	150 N	
Crush performance	EN 187101, IEC 60794-1-21-E3, $\Delta\alpha\leq 0,05$ dB	1000 [N/10 cm]	
Bending performance	EN 187101, IEC 60794-1-21-E6, R=20mm, 20N, 35 cycles	no damage	
Temperature range	Installation	-5... +55 [°C]	
	Operation	EN 187101, IEC 60794-1-22-F1, $\Delta\alpha\leq 0,05$ dB/km	-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_OFPP 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 ±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 ± 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.

EASYREEL PACKING OPTION

500m sections are wound in the EasyReel system and placed in a cardboard box. The reel is wound without an internal drum.



Product coding	Cable length	Packaging dimensions
ER-500-2-VC-D40-XXX	500 m	350mm x 350mm x 270m

XXX - cable coding depending on the adopted parameters (number of fibers, type of fiber, coating color)
Tolerance for a cable wound in the EasyReel system: ± 2m from the nominal length

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.