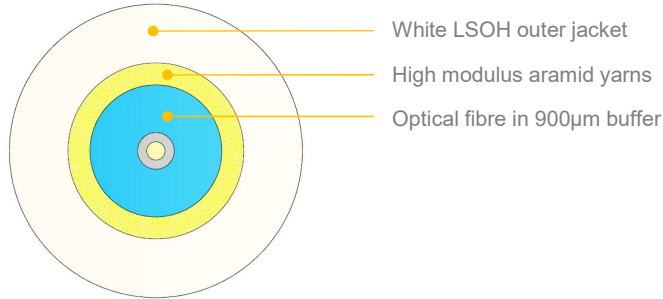


Type:	VC-D30 Resibend	REV: 1.2
Issued:	03/11/2015	SK
Modified:	09/06/2017	WW

FTTH Single Jacket LSOH Minibreakout 1F 900um – Drop Cable with Aramid Strength Members VC-D30 RESIBEND[®]



*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 or easy strip buffers
White LSOH outer jacket (RAL 9010)

CONFIGURATION:

Number of fibres	[pcs]	1F 900µm
Outer diameter	[mm]	3,0
Tensile load permanent / installation	[N]	60 / 170
Weight	[kg/km]	8

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha\leq 0,05$ dB/km	170 N ($\epsilon_f=0,50\%$)	
Max tensile load long term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha\leq 0,05$ dB/km	60 N	
Crush performance	EN 187101, IEC 60794-1-2-E3, $\Delta\alpha\leq 0,05$ dB	500 [N/10 cm]	
Bending performance	EN 187101, IEC 60794-1-2-E6, R=5mm, 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	-20... +70 [°C]
	Transport & Storage	-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.

OPTICAL FIBRES USED:

G.657B3 compatible with G.652D

Minimal bending radius: 5mm ($\Delta\alpha\leq 0.1$ dB @ 1550nm / $\Delta\alpha\leq 0.25$ dB @ 1625nm)

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 RESIBEND 1F SM G657B3 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.

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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 ± 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.

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.