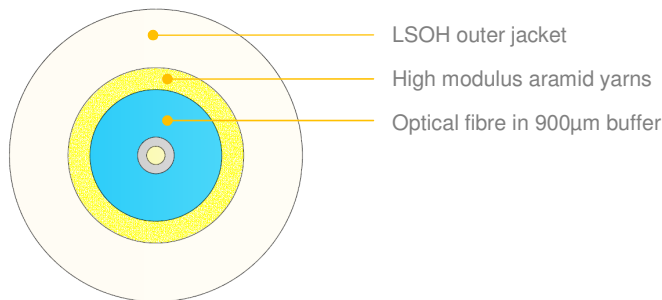


Type:	VC-D20	REV: 1.8
Issued:	01/01/2014	SK
Modified:	19/01/2021	AM

FTTH Single Jacket LSOH Minibreakout – 1F 900µm – Drop Cable with Aramid Strength Members VC-D20



*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]	1F 900µm
Outer diameter	[mm]	2,1 +/- 0,1
Tensile load permanent / installation	[N]	75 / 200
Weight	kg/km	5
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, $\Delta\alpha \leq 0,05$ dB/km	200 N ($\epsilon_t \leq 0,60\%$)
Max tensile load long term	IEC 60794-1-21-E1, $\Delta\alpha \leq 0,05$ dB/km	75 N ($\epsilon_t \leq 0,25\%$)
Crush performance	IEC 60794-1-21-E3, $\Delta\alpha \leq 0,05$ dB	300 [N/10 cm]
Bending performance	IEC 60794-1-21-E6, R=10mm, 20N, 35 cycles	no damage
Temperature range	Installation	-5... +55 [°C]
	Operation	IEC 60794-1-22-F1, $\Delta\alpha \leq 0,05$ dB/km
	Transport & Storage	-20... +70 [°C]
CPR Class	EN 50575:2014+A1:2016	Dca-s1ad0a1

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

OPTICAL FIBRE AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and loose tube 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

Example:

"HANDSET" – EN 50575 Dca – s1a, d0, a1 – "DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – "YEAR OF MANUFACTURE" – VC-D20 1F SM G657A1 FTTH DROP CABLE LSOH – "LENGTH MARKING" – "BATCH NUMBER"

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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.

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