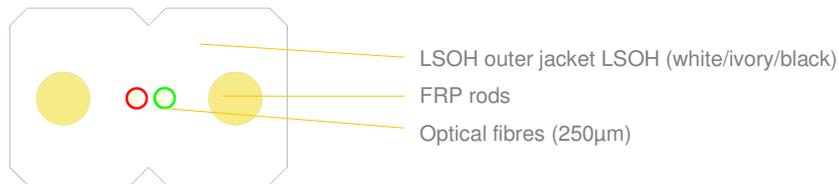


Type:	VC-DCY	REV: 1.9
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FTTH LSOH Flat Drop Cable - 1-4F 250µm - with FRP Rods VC-DCY



*Schematic drawing, not to scale

APPLICATION:

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

DESIGN:

LSOH outer jacket with increased UV resistance
FRP rods embedded into outer sheath
Optical fibres (250µm)

CONFIGURATION:

Number of fibres	[pcs]	1-4 x 250µm optical fibres
Outer dimensions	[mm]	typically 3,1 x 2,0 ±0,1 (max 3,1 x 2,0 ±0,2)
Tensile load permanent / installation	[N]	50 / 100
Weight	[kg/km]	8,3
Min Bending radius	[mm]	15-40mm (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	100 N ($\epsilon_r \leq 0,60\%$)
Max tensile load long term	IEC 60794-1-21-E1, $\Delta\alpha \leq 0,05$ dB/km	50 N
Crush performance	IEC 60794-1-21-E3, $\Delta\alpha \leq 0,1$ dB, reversible	1000 [N/10 cm]
Bending performance	IEC 60794-1-21-E6, R=5mm, 20N, 35 cycles	no damage
Temperature range	Installation	-0.... +55 [°C]
	Operation	-30... +70 [°C]
	Transport & Storage	-30... +70 [°C]
	IEC 60794-1-22-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_OFP** 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-DCY 1F 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.

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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