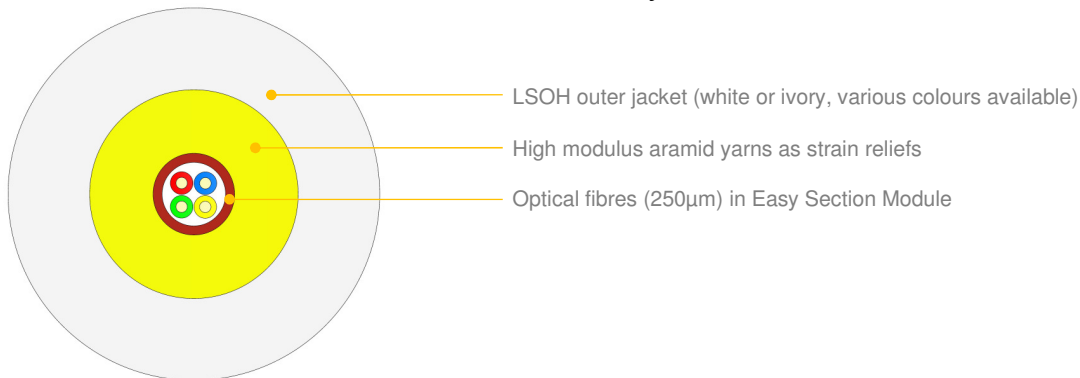


Type:	VC-D30 ESM	REV: 2.2
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FTTH Single LSOH Jacket Cable – 2-4F in 900µm module – Drop Cable with Aramid Strength Members VC-D30 with Easy Section Module



APPLICATION:

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

DESIGN:

Optical fibres inside 900µm Easy Section Module
Aramid yarns as a tensile strength element
LSOH outer jacket

CONFIGURATION:

Version	Quantity [pcs]				Ø nominal (±0,1) [mm]	Nominal weight (±10%) [kg/km]	Max allowed tension [N]	Max static tension [N]
	Fibres	Fibres per module	Total elements	Active modules				
2F	2	2	1	1	3,0	9	170	60
4F	4	4	1	1	3,0	9	170	60

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	IEC 60794-1-21-E1, $\Delta\alpha \leq 0,05$ dB/km		170 N ($\epsilon_r \leq 0,5\%$)
Max long term tensile load	IEC 60794-1-21-E1, $\Delta\alpha \leq 0,05$ dB/km		60 N ($\epsilon_r \leq 0,2\%$)
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=15mm, 20N, 35 cycles		no damage
Temperature range	Installation	IEC 60794-1-22-F1, $\Delta\alpha \leq 0,05$ dB/km	-5... +55 [°C]
	Operation		-20... +70 [°C]
	Transport & Storage		-40... +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 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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Example: "HANDSET" – EN 50575 Dca – s1a, d0, a1 – " DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – " YEAR OF MANUFACTURE" – VC–D30 ESM 2F SM 1M2F 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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