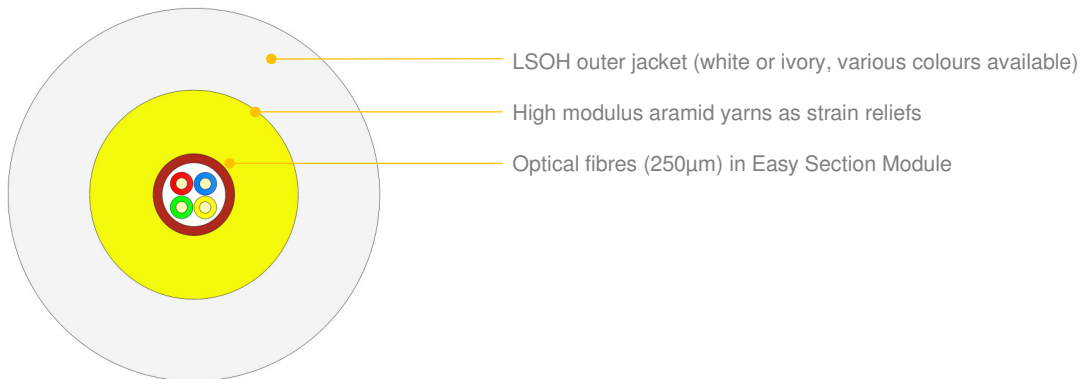


Type:	VC-D40 ESM	REV: 2.0
Issued:	01/01/2014	SK
Modified:	02/11/2021	KP

FTTH Single LSOH Jacket Cable – 1-4F in 900µm module – Drop Cable with Aramid Strength Members VC-D40 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

LSOH outer jacket
Optical fibres inside 900µm Easy Section Module
Aramid yarns reinforcement

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	4,1	15	420	150
4F	4	4	1	1	4,1	15	420	150

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load		IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	420 N ($\epsilon_r\leq 0,5\%$)
Max long term tensile load		IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	150 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=20mm, 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	Version 2F: Dca-s1bd0a1 Version 4F: Dca-s2d0a1

(*) 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_OFFP 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 ESM 2F SM 1M2F G657A1 FTTH DROP CABLE LSOH – “LENGTH MARKING” – “BATCH NUMBER”

“HANDSET” – EN 50575 Dca – s2, d0, a1 – “DOUBLE SINE” – FIBRAIN – Fibre Optic Cable – “YEAR OF MANUFACTURE” – VC-D40 ESM 4F SM 1M4F 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.

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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