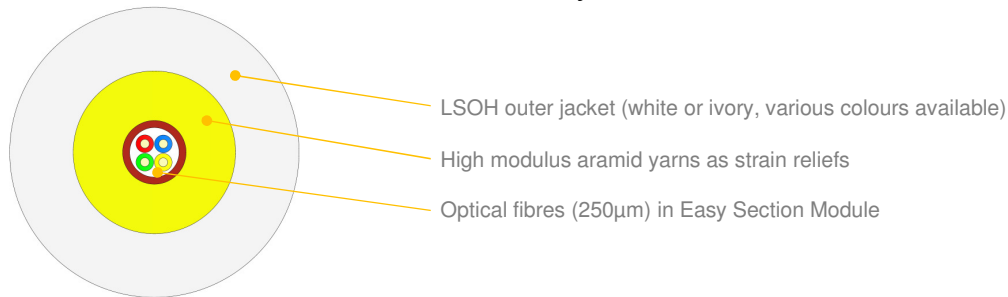


Type:	VC-D20 ESM	REV: 1.9
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## FTTH Single LSOH Jacket Cable – 2-4F in 900µm module – Drop Cable with Aramid Strength Members VC-D20 with Easy Section Module



\*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:

Optical fibres (up to 4 pcs) inside 900µm Easy Section Module  
Aramid 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	2,1	5	200	75
4F	4	4	1	1	2,1	5	200	75

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	IEC 60794-1-21-E1, Δα reversible		200 N (ε <sub>r</sub> ≤0,60%)
Max long term tensile load	IEC 60794-1-21-E1, Δα≤0,05 dB/km		75 N (ε <sub>r</sub> ≤0,25%)
Crush performance	IEC 60794-1-21-E3, Δα≤0,1 dB, reversible		300 [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, Δα≤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-s2d0a1
			Version 4F 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

### Examples:

"HANDSET" – EN 50575 Dca – s2, d0, a1 – "DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – "YEAR OF MANUFACTURE" – VC-D20E ESM 2F SM 1M2F G657A1 FTTH DROP CABLE LSOH – "LENGTH MARKING" – "BATCH NUMBER"

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"HANDSET" – EN 50575 Dca – s1a, d0, a1 – " DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – " YEAR OF MANUFACTURE" – VC-D20E 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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