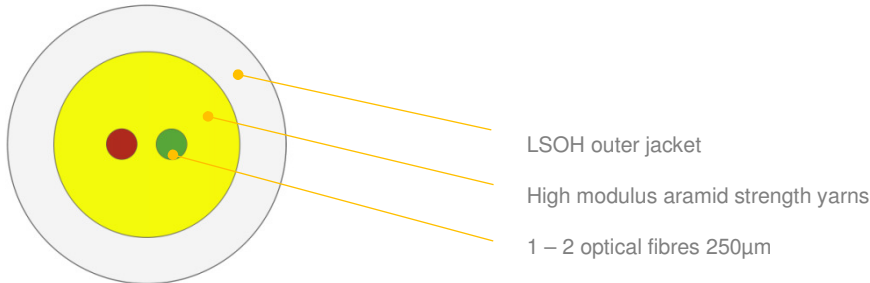


## 1 - 2 fibres single jacket LSOH cable with aramid strength members DC-PRIM-14



LSOH outer jacket

High modulus aramid strength yarns

1 – 2 optical fibres 250µm

\*schematic drawing, not to scale

### APPLICATION:

Optical cable with aramid yarns reinforcement  
For customer connection, fully dielectric cable  
MTP/MPO termination cable  
LAN and FTTH networks  
Distribution network,  
Inside house OLT connection  
Data center connections cable

### DESIGN:

Aramid yarns as strain relief  
250µm optical fibres (1-2 pcs)  
Outer jacket (LSOH)  
Available in different outer jacket colours  
Available for G.657A1, G.657A2, OM3, OM4 fibre types

### DESIGN:

Cable type	[-]	DC-PRIM-14
No. of fibres	[pcs]	1 - 2
Outer diameter	[mm]	1,4 ±5%
Max tensile load (ε=0,5%)	[N]	100
Perm tensile load	[N]	50
Weight	[kg/km]	2 ±10%
Min bending radius	[mm]	20 (depends on fibre type)
Crush	[N/10cm]	50 / reversible

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	IEC 60794-1-21-E1, Δα reversible	100 [N]
Max long term tensile load	IEC 60794-1-21-E1, Δα ≤ 0.1 dB/km	50 [N]
Crush performance	IEC 60794-1-21-E3, Δα ≤ 0.1 dB, no damage	50 [N/10cm]
Bending performance	IEC 60794-1-21-E11, Static 12xD, Dynamic 20xD	No damage
Temperature range: Installation	IEC 60794-1-22-F1, Δα ≤ 0.1 dB/km	-5 ... +55 [°C]
Operation		-10 ... +70 [°C]
Transport & Storage		-20 ... +70 [°C]

### 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:

- Supplier: FIBRAIN
- Standard code (Product type, fibre type, fibre count)
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID / Drum No

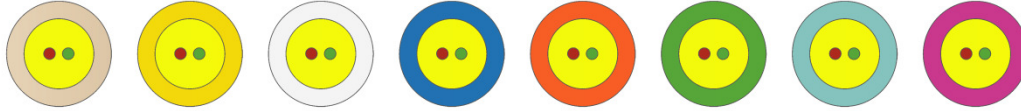
**Example:** FIBRAIN DC-PRIM-14 2F SM G657A1 FTTH DROP CABLE LSOH "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is ±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.

Type:	DC-PRIM-14	REV: 2.4
Issued:	14/03/2014	SK
Modified:	16/02/2021	KP

**OUTER JACKET COLOURS:**

\*other colours available



Sheath colour	Ivory	Yellow	White	Blue	Orange	Green	Aqua	Violet
RAL	1015	1021	9010	5015	2003	6018	6027	4003

**PACKING**

Cables will be shipped on disposable plywood drums. Both ends of the cable will be secured and accessible for testing. Identification information will be placed on a drum.

**DELIVERY LENGTH**

2000 – 4000 meters ± 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.

*This document and the statements contained in it are not intended for customers within the meaning of the Civil Code. The information submitted in this document is to our knowledge and belief true at the time of issue, however, we do not assume any liability whatsoever for its accuracy, and completeness. This document is for informational purposes on an "as is" basis only and Fibrain reserves the right to change its contents at any time without prior notice. The specification cannot, in any case, be considered an offer within the meaning of the Civil Code and is not contractually valid unless specifically authorized by Fibrain. Before using this product, its buyer and/or user has to make sure that it is suitable for the intended use. All liability issues related to this product are subjected to the seller's separate Terms of Sale or the terms and conditions agreed with the Fibrain representative or distributor.*