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
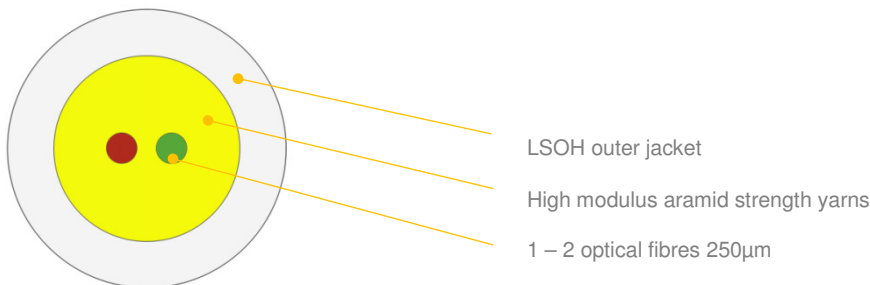
*schematic drawing, not to scale

APPLICATION:

Optical cable with aramid yarns reinforcement
For customer connection, fully dielectric cable
MTP/MPO termination cable
LAN and FTTX 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 60794-1-2.E1, $\Delta\alpha$ reversible	100 [N]
Max long term tensile load	IEC 60794-1-2-E1, $\Delta\alpha \leq 0.1$ dB/km	50 [N]
Crush performance	IEC 60794-1-2-E3, $\Delta\alpha \leq 0.1$ dB, no damage	50 [N/10cm]
Bending performance	IEC 60794-1-2-E11, Static 12xD, Dynamic 20xD	No damage
Temperature range: Installation	IEC 60794-1-2-F1, $\Delta\alpha \leq 0.1$ dB/km	-5 ... +55 [℃]
Operation		-10 … +70 [℃]
Transport & Storage		- 20 … +70 [℃]

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 (using ink jet printer) is applied at 1-meter intervals:
  • Supplier: FIBRAIN
  • Standard code (Product type, fibre type, fibre count)
  • Year of manufacture: xxxx
  • Length marking in meters
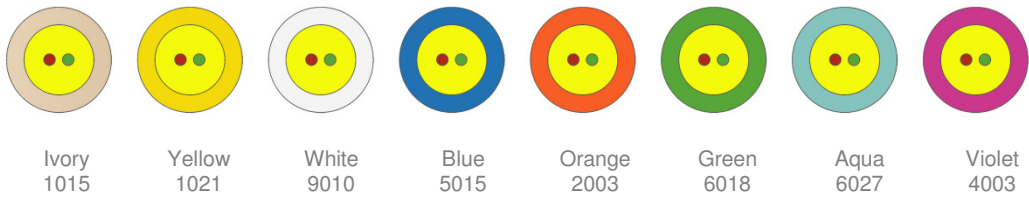 • Cable ID / Drum No

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.

Fibrain Sp. z o o., Zaczernie 190F, 36-062 Zaczernie, Poland   tel:+48 17 866 08 12;   email:info@fibrain.com; web: www.fibrain.com

1

OUTER JACKET COLOURS:
*other colours available

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

Fibrain Sp. z o.o., Zaczernie 190F, 36-062 Zaczernie, Poland   tel:+48 17 866 08 12;   email:info@fibrain.com; web: www.fibrain.com

2