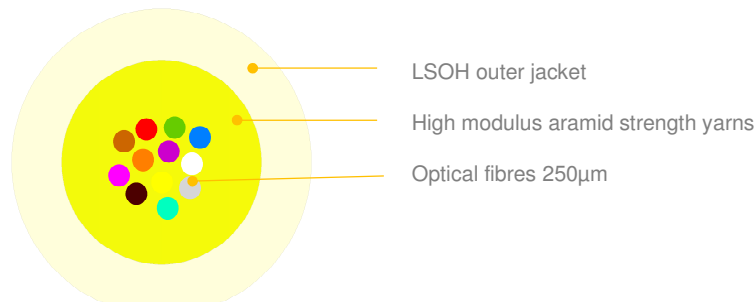


Type:	DC-PRIM	REV: 2.4
Issued:	14/03/2014	SK
Modified:	16/02/2021	KP

12 fibers single jacket LSOH cable with aramid strength members DC-PRIM



*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 (12pcs)
Outer jacket (LSOH)

DESIGN:

No. of fibres		12
Outer diameter	[mm]	3,0 ±5%
Max tensile load (ε=0,5%)	[N]	350
Perm tensile load	[N]	150
Weight	[kg/km]	8 ±10%
Min bending radius	[mm]	45 (depends on fibre type)
Crush	[N/10cm]	150

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	IEC 60794-1-21-E1, Δα reversible	per upper table
Max long term tensile load	IEC 60794-1-21-E1, Δα ≤ 0.1 dB/km	per upper table
Crush performance	IEC 60794-1-21-E3, Δα ≤ 0.1 dB, no damage	per upper table
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 FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and modules identification information please see **DSH_Colors_CODE_XXXX** document.

FIBRES 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 12F 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.

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OUTER JACKET COLOURS:

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

*other colours available

PACKING

Cables will be shipped on disposable wooden, plywood or treated wooden 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 ± 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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