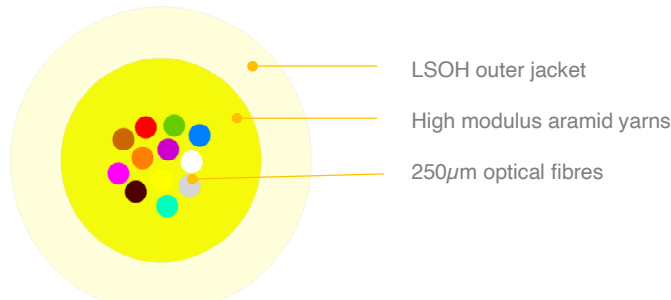




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## Single jacket LSOH cable with aramid yarns reinforcement DC-PRIM



\*schematic drawing, not to scale

### APPLICATION

Customer connection  
Fully dielectric  
LAN and FTTX networks

### DESIGN

LSOH outer jacket  
Aramid yarns reinforcement  
250 $\mu$ m optical fibres

### VARIANT

Variant	$\varnothing$ nominal ( $\pm 5\%$ )	Fibres	Nominal weight ( $\pm 10\%$ )	Max short term load	Max long term load
	[mm]	[pcs]	[kg/km]	[N]	[N]
12F	3,0	12	8	350	150

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Test	Specification	Conditions		Requirements
Tensile strength	IEC60794-1-21 Method E1	Short term load: 350N		$\Delta\alpha$ reversible
		Long term load: 150N		$\Delta\alpha \leq 0,1$ dB/km
Crush resistance	IEC60794-1-21 Method E3	Load: 150N/10cm		$\Delta\alpha$ reversible No jacket cracking and fibre breakage
Bending	IEC60794-1-21 Method E11	Radius: 45mm No. of turns: 4		$\Delta\alpha \leq 0,05$ dB (after test) No jacket cracking and fibre breakage
Temperature range	IEC60794-1-22 Method F1	Installation:	-5... +55 [°C]	$\Delta\alpha \leq 0,1$ dB/km, reversible
		Operation:	-10... +70 [°C]	
		Transport & Storage:	-20... +70 [°C]	$\Delta\alpha$ reversible

(\*) values for single-mode fibres, all optical measurements performed at 1550nm

(\*\*) On request, tests according to EN 50575:2014+A1:2016 can be carried out to determine the reaction to fire behaviour classification.

### 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 printer) is applied at 1-meter intervals:

FIBRAIN DC-PRIM "TOTAL FIBRECOUNT" "FIBRE TYPE" FTTH DROPCABLELSOH "YEAR OF MANUFACTURE" "LASERSYMBOL" "LENGTH MARKING" "BATCH NUMBER"

**Example:** FIBRAINDC-PRIM12FSM G657A1 FTTH DROPCABLELSOH 2024 □- 00001M 12345/1

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.



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#### OUTER JACKET COLOURS OPTIONS

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

#### PACKING

Cables are shipped on disposable plywood drums. Both ends of the cable are capped and at least one is accessible for testing. Identification information is placed on a drum. Typical spool length is 4000 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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