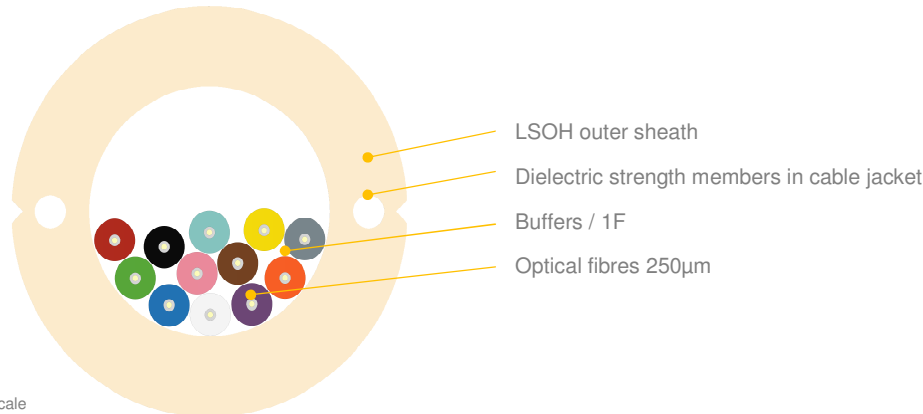


Easy Access Single LSOH Jacket Cable with Retractable Buffers - EAC-RAs



*schematic drawing, not to scale

APPLICATION:

Distribution cable
For laying in risers
FTTH feeder
Easy access and installation

STRUCTURE AND COMPOSITION:

FRP strength members inside cable jacket
Optical fibres in 900µm buffers
2-24 elements in cable
LSOH outer jacket (white by default, various colours available)

BASIC CABLE PARAMETERS:

Version	Quantity [pcs]		Ø nominal (±0,3) [mm]	Nominal weight (±10%) [kg/km]	Tensile strength [N]
	Fibres	Buffers			ε≤0,6% Δα≤0,1 dB, reversible
8F	8	8	8,7	68	400
12F	12	12	8,7	72	400
16F	16	16	12,0	98	600
24F	24	24	12,0	106	600

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Tensile strength	As provided in upper table	IEC 60794-1-21-E1A / IEC 60794-1-2-E1B (@1550nm)
Crush performance:	1000 [N/10 cm]	IEC 60794-1-21-E3, Δα≤0,1 dB, reversible, no damage
Bending radius: (10 cycles, 6 turns)	Static: 15 x D Dynamic: 20 x D	IEC 60794-1-21-E11, no fibre damage
Impact	12,5mm; 1J; 3 impacts; 500mm between	IEC 60794-1-21-E4, Δα≤0,1 dB, reversible
Repeated bending Flexing	20 x D, 25 cycles, 4kg 20 x D, 2kg, 100 cycles	IEC 60794-1-21-E6, no fibre damage, no visible jacket damages IEC 60794-1-21-E8, no fibre damage, no visible jacket damages
Torsion	Distance: 125 x D, 40N, 10 cycles	IEC 60794-1-21-E7, Δα≤0,1 dB (@1550nm)
Kink	20 x D	IEC 60794-1-21-E10, no breakdown
Temperature range:	Installation: -5... +55 [°C] Operation: -20... +70 [°C] Transport & Storage: -40... +70 [°C]	IEC 60794-1-22-F1, Δα≤0,05 dB/km, reversible
CPR Class	D _{CA} s2d0a1	EN 50575:2014+A1:2016

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

OPTICAL FIBRE AND BUFFERS COLOUR IDENTIFICATION

For optical fibres and buffers identification information please see DSH_Colors_CODE_XXXX document.

Type:	EAC-RAs	REV: 2.0
Issued:	30/05/2017	PB
Modified:	18/02/2021	AM

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

Example:

"HANDSET" – EN 50575 Dca – s2, d0, a1 – " DOUBLE SINE" – FIBRAIN – Fibre Optic Cable – " YEAR OF MANUFACTURE" – EAC-RAs 12F SM 12T1F G657A2 FTTH
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 wooden 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 LENGTHS

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.

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.