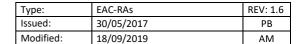
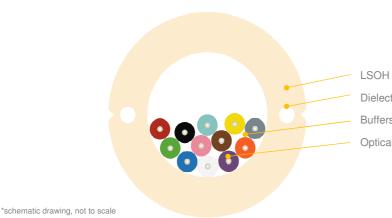
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# Easy Access Single LSOH Jacket Cable with Retractable Buffers - EAC-RAs





LSOH outer sheath

Dielectric strength members in cable jacket

Buffers / 1F

Optical fibres 250µm

**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		Tensile strength
	Fibres	Buffers	(±0,3) [mm]	Nominal weight (±10%) [kg/km]	[N]
					ε=0,6% Δα≤0,1 dB, reversible
1F buffers					
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 IEC 60794-1-21-E1A / IEC 60794-1-2-E1B (@1550nm) As provided in upper table

Crush performance: 1000 [N/10 cm] IEC 60794-1-21-E3, ∆α≤0,1 dB, reversible, no damage

15 x D Bending radius: Static:

(10 cycles, 6 turns) 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

20 x D, 25 cycles, 4kg IEC 60794-1-21-E6, no fibre damage, no visible jacket damages Repeated bending Flexing 20 x D, 2kg, 100 cycles 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)

20 x D Kink IEC 60794-1-21-E10, no breakdown

IEC 60794-1-22-F1, ∆α≤0,05 dB/km, reversible Temperature range: Installation: -5... +55 [°C]

-20... +70 [°C] Operation: Transport & Storage: -40... +70 [°C]

**CPR Class** EN 50575:2014+A1:2016 D<sub>CA</sub> s2d0a1

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

# **OPTICAL FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION**

Fibres and tubes identification information see DSH\_Colors\_CODE\_XXXX document.



Type:	EAC-RAs	REV: 1.6
Issued:	30/05/2017	PB
Modified:	18/09/2019	AM

### **FIBRES PARAMETERS**

Optical fibres parameters see **DSH\_OFP** document.

# **MARKING**

The following print 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 EAC-RAS 12F SM 12T1F G657A2 FTTH CABLE "YEAR OF MANUFACTURE" "LASER SYMBOL" "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.