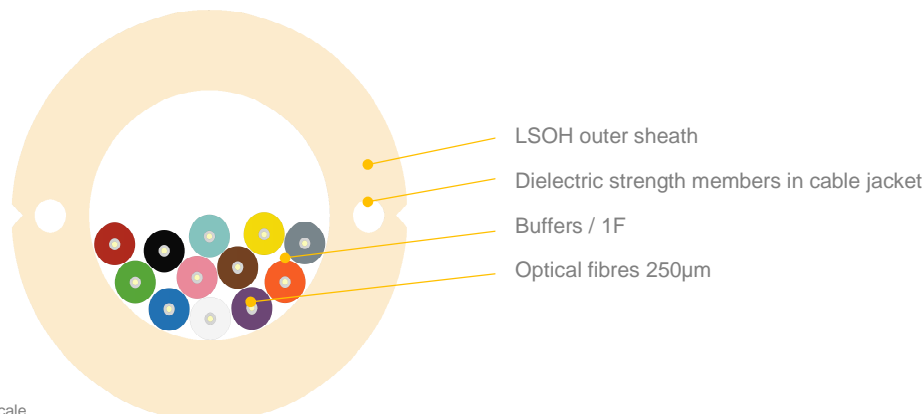


Easy Access Single LSOH Jacket Cable with Retractable Buffers - EAC-RAs



*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
2-48 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
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
36F	36	36	14,5	194	600
48F	48	48	15,5	216	600

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

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

(*) 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: 1.4
Issued:	04/08/2015	PB
Modified:	30/10/2017	RM

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.