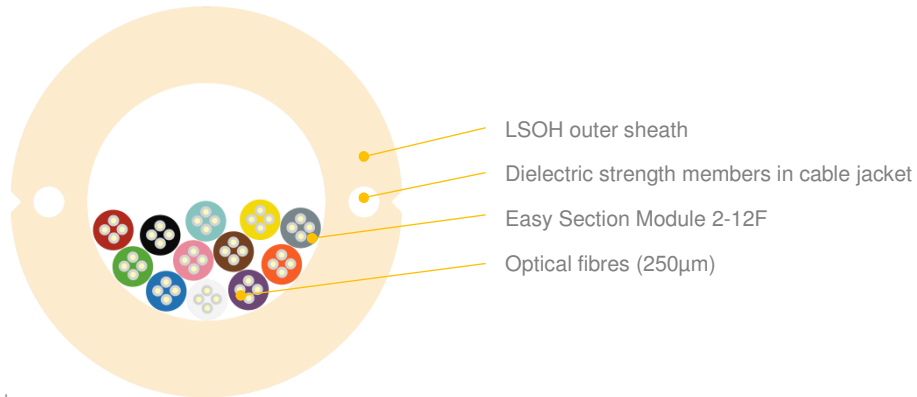


Easy Access, single LSOH jacket cable with retractable Easy Section Modules - EAC-RAM



*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 bundles
1-24 elements in cable
LSOH outer jacket (white by default, various colour available)

BASIC CABLE PARAMETERS:

Version	Quantity [pcs]		Ø nominal (±0,3) [mm]	Nominal weight (±10%) [kg/km]	Tensile strength [N]
	Fibres	Modules			ε≤0,6% Δα≤0,1 dB, reversible
2F Easy Section Modules	2-24	1-12	8,7	69	400
	26-30	13-15	10,5	83	400
	32-48	16-24	12,0	106	600
4F Easy Section Modules	2-48	1-12	8,7	70	400
	52-60	13-15	10,5	85	400
	64-96	16-24	12,0	110	600
6F Easy Section Modules	6-48	1-8	8,7	75	400
	54-72	9-12	10,5	112	400
	78-96	13-16	12,0	130	600
8F Easy Section Modules	8-32	1-4	8,7	67	400
	40-96	5-12	10,5	90	400
12F Easy Section Modules	12-48	1-4	8,7	70	400
	60-96	5-8	10,5	90	400
	108-144	9-12	12,0	115	600
Other designs on demand					

Type:	EAC-RAm	REV: 2.9
Issued:	08/11/2018	AM
Modified:	18/02/2021	KP

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Tensile strength	As provided in upper table	IEC 60794-1-21-E1, $\Delta\alpha \leq 0,1$ dB/km, reversible
Crush performance:	1000 [N/10 cm]	IEC 60794-1-21-E3, $\Delta\alpha \leq 0,1$ dB, reversible, no damage
Bending radius:	15 x D	IEC 60794-1-21-E11, no fibre damage
Repeated bending	20 x D	IEC 60794-1-21-E6, no fibre damage, no visible jacket damage
Impact	1[J]; 3 impacts, 500[mm]	IEC 60794-1-21-E4, $\Delta\alpha \leq 0,1$ dB, reversible
Flexing	20 x D, 100 cycles	IEC 60794-1-21-E8, no fibre damage, no visible jacket damage
Torsion	40[N] / ± 180 [°] / 10 cycles	IEC 60794-1-21-E7, $\Delta\alpha \leq 0,1$ dB (@1550nm)
Kink	20 x D	IEC 60794-1-21-E10, no breakdown
Temperature range:	Installation: -5... +60 [°C] Operation: -10... +60 [°C] Transport & Storage: -40... +70 [°C]	IEC 60794-1-22-F1, $\Delta\alpha \leq 0,05$ 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 MODULES COLOUR IDENTIFICATION

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

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-RAm 12F SM 2M6F 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.

PACKAGING

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 LENGTH

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.

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