



## OPTICAL CABLE FIBER-LAN INDOOR EZ!LUX (CFOI-EO) - CPR



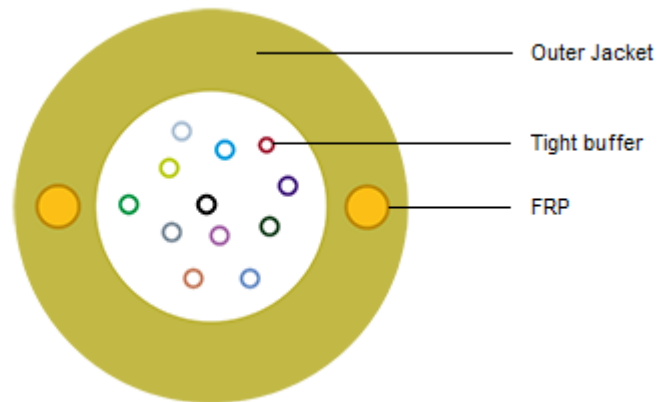
Construction	ROHS Compliant	
	Dielectric	
	Semi Tight Buffer	
	Singlemode BLI	
Description	Tight Buffer Optical cable with acrylate primary coating and thermoplastic secondary coating. The core of the cable is coated in flame retardant thermoplastic material reinforced by two FRPs.	
Application	Installation Environment	Indoor
	Operating Environment	Vertical Duct Installation
Standard	<ul style="list-style-type: none"> <li>• ITU-T G.657: "Characteristics of a bending-loss insensitive single-mode optical fibre and cable";</li> <li>• GR-409: Indoor Fiber Optic Cable;</li> <li>• EN 60332-1-2: "Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame";</li> <li>• EN 61034-2: "Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements";</li> <li>• EN 50399: "Common test method for cables under fire conditions. Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results";</li> <li>• EN 50267-2-3: "Common test method for cables under fire conditions. Test on gases evolved during combustion of materials from cables. Procedures. Determination of degree of acidity of gases for cables by determination of the weighted average of pH and conductivity".</li> </ul>	
Optical Fiber	Made up of BLI singlemode acrylate coated optical fibers.	
Optical Characteristics	<b>Fiber</b>	<b>Characteristics</b>
	Singlemode	According to technical specification 2000
Fiber Coating	UV cured acrylate	
Fiber Identification	Fiber	Color
	1	Blue
	2	Orange
	3	Green
	4	Brown
	5	Grey

6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Pink
12	Sky Blue

<b>Tight-Buffered Fiber</b>	Acrylate coated optical fibers, insulated by semi-tight buffer thermoplastic coating.
<b>Strength member</b>	Two FRPs are extruded together with the outer jacket to provide tensile strength for the cable.
<b>Outer Jacket</b>	A jacket of non-flame-propagating thermoplastic material is extruded over the optical fibers. The cables are preferably supplied with a <b>yellow</b> outer jacket. Upon inquiry, other jacket colors may be supplied.

<b>Cable Flammability Rating</b>	Cable protection grade	Marking
	Optical Cable with Low Smoke Zero Halogen Jacket	LSZH

**Cross Section**



<b>Physical Characteristics</b>	Minimum radius of curvature (mm)	- During installation: 15 x cable diameter - After installation: 10 x cable diameter
	Maximum load during installation (N)	660
	Installation Temperature	-10 °C to + 60 °C
	Storage Temperature	-20°C to +70°C
	Operating Temperature	-20°C to +70°C

Dimension	Parameter	Unity	Value		
			6 fibers	8 fibers	12 fibers
	Nominal Outer Diameter	mm	9,0 ± 0.2		10,0 ± 0.2
	Nominal Weight	kg/km	66		74
	Nominal Jacket Thickness	mm	2		

**Marking**

Outer Jacket:

**"FURUKAWA FIBER-LAN INDOOR EZILUX BLI xF G-657A1 LSZH MONTH/YEAR  
EUROCLASS Dca (s2, d2, a1) LOTE nL (\*\*)"**

Where:

**x** = Fiber count**MONTH/YEAR** = Fabrication Date (MM/AAAA)**nL** = Batch Number**(\*\*)** = Length Marking    xxxx m**Package Type**

Wooden reel

**Standard Length**

300m.

- Tolerance  $\pm 5\%$  of the length.
- Other lengths available under analysis.

[Part Numbers](#)