



MICRO INDOOR LOW FRICTION OPTICAL CABLE (CFOI-BLI-A/B-CM-BA-LSZH) - ABNT



Construction	ROHS Compliant Low friction Non dielectric
Description	Cable with compact dimensions and low friction external sheath. Specially developed for internal installations such as FTTH and MDU networks. Steel wires are used as strength members, which allow the cable be pushed or pulled through ducts.
Application	Developed specially for internal installations in FTTH and MDU networks.
Installation Environment	Indoor.
Operation Environment	Indoor networks.
Standard	<ul style="list-style-type: none"> • ITU-T G 657; • ANATEL - Lista de Requisitos Técnicos para Produtos de Telecomunicações Categoria I (CompactFiber OpticCableforInternal Installation).
Certifications	ANATEL.
Fiber Coating	Optical fiber with an acrylate coating.
Fiber Identification	Fiber: <ol style="list-style-type: none"> 1. Green; 2. Yellow.
Strength member	Two steel wires with 0.5 mm nominal diameter.
Outer Jacket	Low friction thermoplastic material, flame retardant, LSZH (low smoke zero halogen).
Cable Flammability Rating	Flame retardant material with low smoke emission and free halogen (LSZH - low smoke zero halogen).
Dimension	<ul style="list-style-type: none"> • 1 Fiber:

- $1,6 \pm 0,16 \times 2,0 \pm 0,20$;
- 2 Fibers:
 - $1,6 \pm 0,16 \times 2,3 \pm 0,23$;

Nominal mass	7,73 kg/km.		
Minimum radius of curvature during intallation	30 mm.		
Minimum curvature radius during operation	15 mm.		
Mechanical and Environmental Characteristics	Requirement	Methodology	Single mode fibers
	Tensile strength	230 N	Maximum: 0,6% tensioned 0,2% rest
	Compressive strength	480 N/cm	$\leq 0,4$ dB
	Twist	10 ciclos	$\leq 0,4$ dB
	Cyclic Flexing	25 ciclos x 2kgf (30 mm)	$\leq 0,4$ dB
	Bending	5 voltas	$\leq 0,4$ dB
	Dynamic Friction Coefficient	Massa 2,0 kg	$\leq 0,125$
	* The dynamic friction coefficient is defined, in accordance to ANATEL Standarts for Compact Optical FiberCableforInternal Installation, as:		
$\mu = Ft/(2*Fo)$ <p>Where:</p> <p>μ = Dynamic friction coefficient</p> <p>Ft = Slip force [N]</p> <p>Fo = Compression loadstrength [N]</p>			
Maximum Tensile Load	230 N.		
Installation Temperature (°C)	-10 to 40°C.		
Operation Temperature (°C)	-10 to 40°C.		
Storage Temperature (°C)	-10 to 40°C.		
Marking	FURUKAWA CFOI-BLI-CM-xx-BA-LSZH mm/yyyy ANATEL nANATEL LOTE nL YAAMDDHHmm (**)		

Where:

xx	Number of fibers
mm/yyyy	Date of manufacturing
nANATEL	Number of the ANATEL certificate
nL	Batch number
YAAMMDDHHmm	Traceability (Y=Manufacturing Process; AA=Year; MM=Month; DD=Day; HH=Hour; mm=Minute)
(**)	Length marking in meters (xxxm)

Package Type RIB (Reel-In-Box).

Standard Length 500 m
± 1% tolerance over the nominal length.

Package Nominal Dimensional 250 x 255 x 215 mm.

[Part Numbers](#)