 ROHS Compliant; Low friction; Non dielectric; 		
Compact dimensions cable with outer jacket made up of low friction material. The strength material made up of 2 steel wires that can be used to push the cable through ducts.		
Developed specially for internal installations in FTTH and MDU networks.		
Indoor		
Indoor network		
 ITU-T G 657; 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"; EN 61034-2: "Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements"; 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"; EN 60754-2: "Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity". 		
EUROCLASS B2ca (s1, d0, a1)		
Acrylate		
Fiber		
 Blue; Blue and orange. 		
Two steel wires with 0.5 mm nominal diameter.		



FURUKAWA>

SOLUTIONS

FURUKAWA>

SOLUTIONS



Outer Jacket	Low friction thermoplastic material, flame retardant, LSZH (low smoke zero halogen).				
Cable Flammability Rating	LSZH				
Cross Section			Οι	uter jacket	
			Str	ength member	
Dimension	1 Fiber: 1.6 ± 0.16 × 2.0 ± 0.20				
Minimum radius of curvature during intallation	30 mm	J. 16 X Z.3 ± 0.23			
Minimum curvature radius during operation	15 mm				
Mechanical and Environmental Characteristics	Test Tensile	Standard IEC 60794-1-21-E1A/B	Procedure CMO: 400N (5min) Speed: 100N/min	Limit FS<0,6% FSres<0,2% At≤0,05dB	
	Crush	IEC 60794-1-21-E3	500N (1min) 300N (15min)	At≤0,05 (after test)	
	Torsion	IEC 60794-1-21-E7	10 cycles 180°	No fiber breakage; No damage to the cable	
	Bend	IEC 60794-1-21-E11A	6 laps, 10points Mandrel: 20xOD	No fiber breakage; No damage to the cable	



FURUKAWA

ECTRIC

		(30mm)	
Cold bend	IEC 60794-1-21-E11A	Mandrel: 20xOD	No fiber breakage; No
		(30mm)	damage to the cable
		T=0°C (4h)	
		10 voltas	
Repeated	IEC 60794-1-21-E6	Mandrel: 20xOD	No fiber breakage; No
bending		25 cycles	damage to the cable
		Mass: 4kg	
Impact	IEC 60794-1-21-E4	1cycle	No fiber breakage; No
		3 points apart of	damage to the cable
		500mm	
		Energy: 1J	
		Radius: 12,5mm	
Cable flexing	IEC 60794-1-21-E8	Cycle: 100	No fiber breakage; No
		Mass: 2kg	damage to the cable
Thermal cycling	IEC 60794-1-21-F1	Nº cycles: 2	At≤0,4dB
		Temperatures:	
		-10°C/+60°C	

Dynamic Friction Coefficient ≤ 0.125, considering a weight of 2.0 kg

The dynamic friction coefficient is defined, in accordance to ANATEL Standarts for Compact Optical FiberCableforInternal Installation, as:

 $\mu = Ft/(2*Fo)$

Where: µ =Dynamic friction coefficient Ft = Slip force [N] Fo = Compression loadstrength [N]

Marking

FURUKAWA CFOI-BLI-CM-xx-BA-LSZH mm/aaaa LOTE nl YAAMMDDHHmm (**)

ХХ	Fiber number		
mm	Manufacturing month		
аааа	Manufacturing year		
nl	Batch number		
YAAMMDDHHmm	Traceability (Y=Manufacturing process; AA=Year; MM=Month; DD=Day; HH=Hour; mm=Minute)		
(**)	Length marking in meter (xxxxxm)		

Package Type

RIB or Wood reel

Part Numbers

