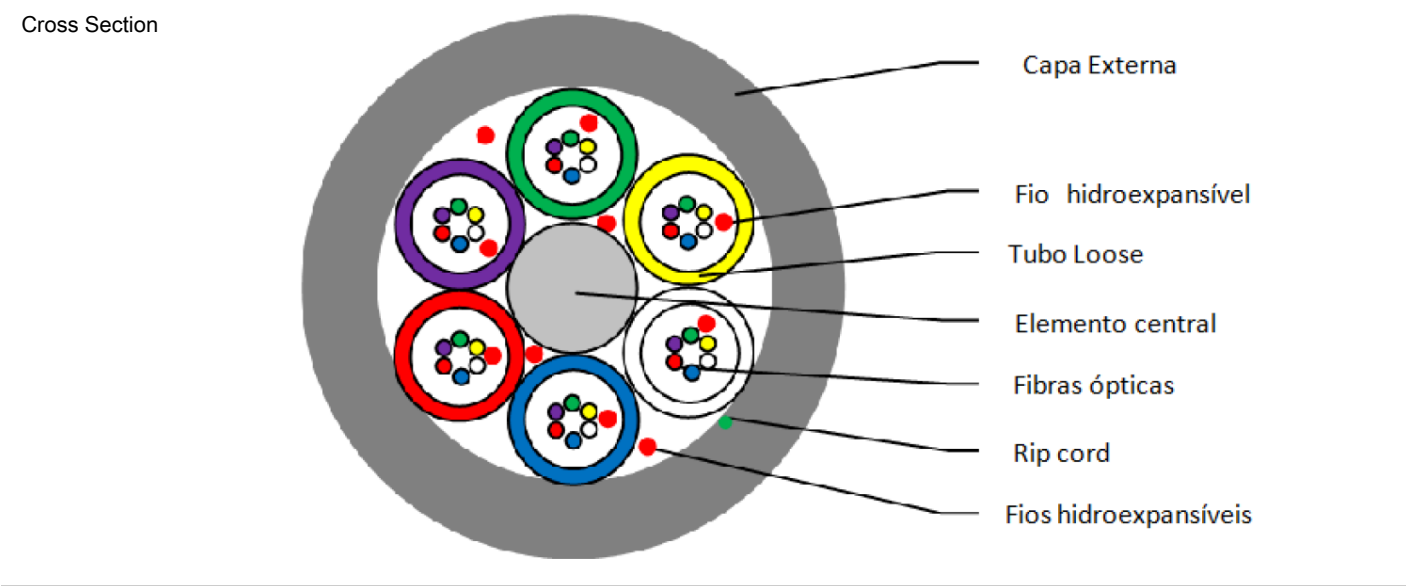




OPTICAL CABLE TERMINATION TOTALLY DRY - CFOT-UB TS - ABNT CL

Construction	FullyDielectric	
	Totally Dry Core	
	Loose Tube	
	SM and MM	
Description	Optical cable for indoor/outdoor application with 2 up to 144 optical fibers. Cable compounded of totally dry loose tubes, dielectric strength member and a flame retardant thermoplastic sheath.	
Application	Installation Environment	Indoor / Outdoor
	Operation Environment	Installation in vertical or horizontal ducts or aerial lashed (Loose Tube)
Standard	<ul style="list-style-type: none"> • ABNT NBR 14772 - Especificação do cabo óptico de terminação • ITU-T Recommendation G.652: "Characteristics of a single-mode optical fibre and cable" • ITU-T Recommendation G.651: "Characteristics of a 50/125µm multimode graded index optical fibre cable" • ITU-T Recommendation G.655: "Characteristics of a non-zero dispersion-shifted single-mode optical fibre and cable" 	
Optical Fiber	SM (Singlemode), MM (Multimode) OM1, OM2, OM3 and OM4.	
Fiber Coating	UV cured acrylate	
Fiber and Loose Tube Identification	Optical Fiber/Loose Tube	Color
	01	Green
	02	Yellow
	03	White
	04	Blue
	05	Red
	06	Violet
	07	Brown
	08	Pink
	09	Black
	10	Gray
	11	Orange
	12	Acqua

Buffer Tube	Totally dry thermoplastic loose tube with hydroexpansible elements for preventing water migration.		
Central Member	Dielectric-material element located in the center of the core cable to prevent the efforts of the cable tension. As central member, it is applied a bar of plastic material reinforced by FRP (Fiber Reinforced Plastic) fiberglass.		
Core	The loose tubes are stranded together to form the cable core. The core shall be gel-free, protected with water blocking material to prevent water penetration. If necessary, fillers may be used to maintain a cylindrical cable core.		
Strength member	Dielectric yarns must be applied around cable core to support traction tensions.		
Core Lay up	Total fibers count	Buffer tubes count	Fibers per tube
	02 to 12	01 to 06	02
	18 to 36	03 to 06	06
	48 to 144	04 to 12	12
Rip Cord	One rip cord shall be included under the jackets.		
Outer Jacket	Black thermoplastic flame-retardant material providing enhanced protection against the action of weatherproof and UV rays. If necessary, cable jacket can be provided in low smoke zero halogen (LSZH) material.		
Cable Flammability Rating	Cable protection grade	Marking	
	General Optical cable (OFN)	COG	
	Optical cable with Low Smoke Zero Halogen jacket	LSZH	



Physical Characteristics	Minimum bending radius (mm)		- During installation: 20 x outer diameter - After installed: 10 x outer diameter			
	Maximum tensile load during installation (N)		1 x weight /km			
	Installation temperature		0 °C up to 40 °C			
	Storage temperature		- 20 °C up to 65 °C			
	Operation temperature		- 20 °C up to 65 °C			
Dimension	Nº Optical Fibers	Nº Optical Fibers	Nominal Outer Jacket (mm)	Nominal Mass PVC (kg/km)	Nominal Mass LSZH (kg/km)	
	02 to 12	2	8.7	77	70	
	18 to 36	6	9.2	82	75	
	48 to 60	12	10.0	98	88	
	72	12	10.7	114	104	
	96	12	12.2	142	131	
	120	12	14.2	177	164	
	144	12	15.8	214	205	
	Characteristics		Unit	Value		
	Nominal thickness ofouter sheath		mm	1.5		
	Minimum thickness ofouter sheath		mm	1.4		
	Uniformity ofouter sheath		%	70		
	Marking	"FURUKAWA CFOT-x-UB wF TS z k MONTH/YEAR "Customer Name" ANATEL nANATEL LOTE nL (**)"				
		Where:				
		x = Type of optical fiber SM For singlemode fiber MM For multimode fiber w = Fiber count z = Denomination for special fiber G-652.D For SM G.652.D fiber (50) For 50µm multimode fiber (62.5) For 62.5µm multimode fiber (50)OM3 For 50µm multimode fiber EIA/TIA 492AAAC (50)OM4 For 50µm multimode fiber EIA/TIA 492AAAD k = Flame rate COG For OFNG Cables LSZH For cables with Low Smoke and Zero Halogen				
MONTH/YEAR = Date of fabrication (MM/YYYY) "Customer Name" = when requested on the purchase order* nANATEL = Number of the Anatel certificate nL = Batch number (**) = Lenght marking xxxx m Obs: Further information can be recorded at the request of the buyer*. *Under prior consultation for feasibility analysis						

Package Type	Wooden reel
Standard Length	2000m - tolerance $\pm 5\%$

[Part Numbers](#)