



OPTICAL CABLE CFOT-UB TS (TOTALLY DRY)

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"> • ICEA S-104-696 - Indoor-Outdoor Optical Fiber Cable • ITU-T G.651: "Characteristics of a 50/125 μm multimode graded index optical fibre and cable"; • ITU-T G.652: "Characteristics of a single-mode optical fibre and cable"; • ITU-T G.657: "Characteristics of a bending loss insensitive single mode optical fibre and cable for the access network"; • ANSI/TIA 568-C.3: "Optical fiber cabling components standard". 	
Optical Fiber	SM (Singlemode), MM (Multimode) OM1, OM2, OM3 and OM4.	
Fiber Coating	UV cured acrylate	
Fiber and Loose Tube Identification	Fiber /Buffer Tube	Color
	01	Blue
	02	Orange
	03	Green
	04	Brown
	05	Gray
	06	White
	07	Red
	08	Black
	09	Yellow
	10	Violet
	11	Pink
	12	Aqua

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.		
Core Lay up	Total fibers count	Buffer tubes count	Fibers per tube
	06 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:		
	- During installation	mm	20 x outer diameter
	- After installed	mm	10 x outer diameter
	Operation temperature	°C	-20 a +65
	Maximum tensile load during installation (N)	Up to 12F	1330N
		more than 12F	2670N
	Compression	Short term (1min)	2200N

Dimension	Nº Optical Fibers	Nº Optical Fibers	Nominal Outer Jacket (mm)	Nominal Mass PVC (kg/km)	Nominal Mass LSZH (kg/km)
	06 to 36	6	9.5	82	75
	48 to 60	12	10.2	98	88
	72	12	10.9	114	104
	96	12	12.4	142	131
	120	12	14.1	177	164
	144	12	16.0	214	205
Characteristics			Unit	Value	
Nominal thickness of outer sheath			mm	1.5	
Minimum thickness of outer sheath			mm	1.4	
Uniformity of outer sheath			%	70	

Marking	<p>"FURUKAWA CFOT-x-UB wF TS z k MONTH/YEAR LOTE nLOT (**)"</p> <p>Where:</p> <p>X = SM For singlemode fiber MM For multimode fiber BLI For singlemode Bending-Loss-Insensitive</p> <p>W = Optical fiber count</p> <p>Z = Extra denomination for special fibers G-652D For singlemode fiber ITU-T G-652D G-657A1 For singlemode fiber ITU-T G-657A1 (50) For multimode fiber MM(50) OM2 (62.5) For multimode fiber MM(62.5) OM1 OM3 For multimode fiber OM3 - EIA/TIA 492-AAAC OM4 For multimode fiber OM4 - EIA/TIA 492-AAAD</p> <p>K = Flame rate: COG o LSZH</p> <p>MONTH/YEAR = Manufacturing month and year - MM/YYYY;</p> <p>nLOTE = Lot number;</p> <p>(**) = Length marking - xxxx m</p> <p>Obs: Further information can be recorded at the request of the buyer*. *Under prior consultation for feasibility analysis</p>
Package Type	Wooden reel
Standard Length	2000m - Tolerance ±5%

[Part Numbers](#)