



OPTICAL CABLE CFOT-UB TS (TOTALLY DRY)

Construction	Fully Dielectric 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	<table border="1"> <thead> <tr> <th>Fiber / Buffer Tube</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>01</td><td>Blue</td></tr> <tr><td>02</td><td>Orange</td></tr> <tr><td>03</td><td>Green</td></tr> <tr><td>04</td><td>Brown</td></tr> <tr><td>05</td><td>Gray</td></tr> <tr><td>06</td><td>White</td></tr> <tr><td>07</td><td>Red</td></tr> <tr><td>08</td><td>Black</td></tr> <tr><td>09</td><td>Yellow</td></tr> <tr><td>10</td><td>Violet</td></tr> <tr><td>11</td><td>Pink</td></tr> <tr><td>12</td><td>Aqua</td></tr> </tbody> </table>		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
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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	"FURUKAWA CFOT-x-UB wF TS z k MONTH/YEAR LOTE nLOT (**)"				
Where:					
X = SM	For singlemode fiber				
MM	For multimode fiber				
BLI	For singlemode Bending-Loss-Insensitive				
W = Optical fiber count					
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				
K = Flame rate: COG o LSZH					
MONTH/YEAR = Manufacturing month and year - MM/YYYY;					
nLOTE = Lot number;					
(**) = Length 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 ±5%				

Part Numbers