

**Description:**

The 900µm tight buffer fibers are distributed in the center of the cable. The aramid yarn as strength member surround the fibers, the cable is completed with a LSOH or PVC jacket.

Features:

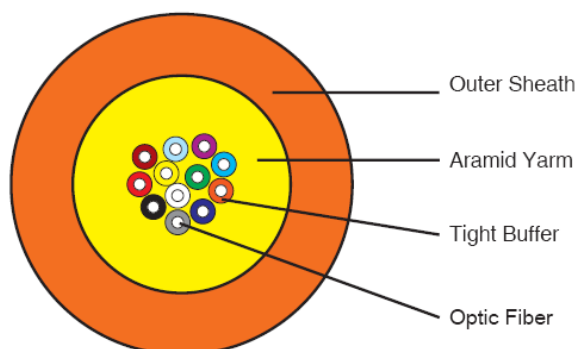
- small outer diameter, light weight, easy to strip
- good flexibility performance
- sheath color, SM cable in yellow, MM cable in orange, OM3 cable in aqua, OM4 cable in purple, OM5 in lime green

Compliances:

- ITU-T G651, ITU-T G652D, ITU-T G657A2
- ICEA-596
- ANSI/TIA 568.3-D
- TIA/EIA-492
- IEC-60794, IEC-60793
- IEC-60332
- RoHS

Applications:

- classical premise backbone cabling fiber optic cable
- 900um tight buffer fiber suits for termination with connectors work as patch cord or pigtails



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Structure & Environmental Characteristics:

Tight Buffer	Material	PVC / LSOH
Peripheral Strength Member	Material	Aramid Yarn
Sheath	Material	PVC / LSOH
	Color	Yellow, Orange, Aqua, Purple, Lime green
Operating Temperature	-20°C to +60°C	
Storage / Transport Temperature	-20°C to +60°C	
Installation Temperature	-5°C to +50°C	

Mechanical Characteristics:

Fiber count	Outer diameter (mm)	Nominal cable weight (kg/km)	Crush Resistance N/100mm	Tensile load		Bend radius	
				Short term (N)	Long term (N)	Static (mm)	Dynamic (mm)
2	3.2	10	1000	660	200	10D	20D
4	4.8	18	1000	660	200	10D	20D
6	5.1	22.5	1000	660	200	10D	20D
8	5.6	28	1000	660	200	10D	20D
12	6.2	38	1000	660	200	10D	20D
16	8.0	53	1000	660	200	10D	20D
24	8.2	63	1000	1320	400	10D	20D

Note: "D" is cable diameter

Fiber Color Code:

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White
No. of fiber	7	8	9	10	11	12
Color of fiber	Red	Black	Yellow	Violet	Pink	Aqua
No. of fiber	13	14	15	16	17	18
Color of fiber	Blue/	Orange/	Green/	Brown/	Grey/	White/
	Black Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer
No. of fiber	19	20	21	22	23	24
Color of fiber	Red/	Black/	Yellow/	Violet/	Pink/	Aqua/
	Black Tracer	White Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer

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Optical Performance:

	Wavelength	9/125 µm	50/125 µm	62.5/125 µm	50/125µm(OM3)	50/125µm (OM4/OM5)
Max. Attenuation dB/km	850 / 1300nm	--	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2
	1310 / 1550nm	≤ 0.36 / ≤ 0.22	--	--	--	--
Minimum Bandwidth MHz · km	850 / 1300nm	--	500 / 500	200 / 500	1500 / 500@LED	3500 / 500@LED
					2000 / 500@Laser	4700 / 500@Laser

	wavelength	9/125 μm	
Max. Attenuation (dB/km)	1310 /1550nm	≤ 0.36 / ≤ 0.22	
Uncabled fibre macrobending loss	ITU-T G.657.A2 fiber		
	Radius (mm)	10	7.5
	Number of turns	1	1
	Max. at 1550 nm (dB)	0.1	0.5

Ordering information:

Part NO. 2613xyzzz

Description Fiber Optic indoor distribution cable tight buffer with
aramid yarn strength member

x, mode 1: MM 62.5/125 2: SM G652D 3: MM 50/125 4: MM/OM3
6: SM G657A2 9: MM/OM4 8: MM/OM5

y, outer sheath 1: PVC 2: LSOH

zzz, fiber count 002 / 004 / 006 / 008 / 012 / 016 / 024

Packing Information:

1. cable be wound on an iron stand-wooden composite
2. standard drum length is 2000m ±1%
3. covered by plastic buffer sheet
4. sealed by strong wooden battens
5. at least 1.1m of inner end of cable should be reserved for testing
6. test protocol at side of the drum

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