



Description:

This flat drop cable, which consists of 1, 2 or 4 color coded optical fibers, offers an ideal solution for the smaller fiber counts that are needed in the final sections of an optical network. Two parallel FRP strength members protect the optical fibers. The cable is completed with a LSOH jacket.

Features:

- Compact and light weight, easy to strip and splice
- Low bending loss, ideal access cable in PON project
- Drop flat easy for cable allocation

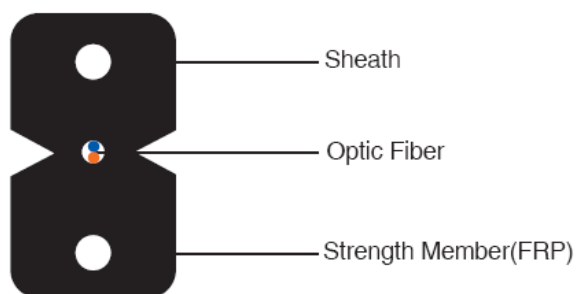
Compliances:

- ITU-T G652D/G657A2/G651; ANSI/TIA 568-C.3; IEC-60332; RoHS

Applications:

- Indoor cabling for FTTx systems

Drawing:



Note: Drawing is the 2 fibers cable as an example

Premium Line Systems GmbH reserves the right to change specifications without prior notice.

Structure & Environmental Characteristics:

Peripheral Strength Member	Material	FRP
	Diameter	0.5 mm
Sheath	Material	LSOH / black
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)	Cable Weight (kg/km)	Crush Resistance		Tensile Load		Bend Radius	
			Short Term (N/10cm)	Long Term (N/10cm)	Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
1	2.0X3.0±0.1	8.0	1000	500	80	40	15	30
2	2.0X3.0±0.1	8.5	1000	500	80	40	15	30
4	2.0X4.0±0.2	10.0	1000	500	80	40	15	30

Fiber Color Code:

No. of fiber	1	2	3	4
Color of fiber	Blue	Orange	Green	Brown

Optical Performance:

	Wavelength	9/125 μm	50/125 μm	62.5/125 μm	50/125μm(OM3)	50/125μm(OM4)
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

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Ordering Information:

Part No.	2614x2yyy
Description	Premium Line fiber optic FTTH drop flat cable, w/two FRP strength members, LSOH
x, mode	1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM/OM3 6: SM 9/125 G657A2 9: MM/OM4
yyy, fiber count	001 / 002 / 004

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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