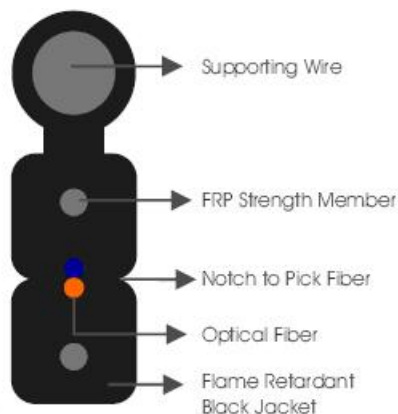


**Description:**

This cable comprises of 1, 2 or 4 fibers in classical drop flat design, supports high speed and broadband telecommunications. The solid (or stranded) messenger wire plus web construction make it available for outdoor aerial installation and also works as the access of the buildings or homes. Inner parts consist of two parallel FRP strength members protect the optical fibers located in the center. And the cable is completed with a black LSOH jacket.

Features:

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

Compliances:

- ITU-T G652D/G657A2; ANSI/TIA 568-C.3; IEC-60332-1

Applications:

- Outdoor cabling for FTTx systems

Structure & Environmental Characteristics:

Messenger	Material	Steel Wire (1.0mm)
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	-10 °C to +60 °C	

Mechanical Characteristics:

Fiber Count	Outer Diameter (mm)	Cable Weight (kg/km)	Crush Resistance		Tensile Load		Bend Radius	
			Short Term (N/100cm)	Long Term (N/100cm)	Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
							G652D/G657A2	
1	2.0X5.3	25	2000	1000	300	100	30	60
2	2.0X5.3	25	2000	1000	300	100	30	60
4	2.0X5.7	25	2000	1000	300	100	30	60

Fiber Color Code:

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

Optical Performance:

	wavelength	G652D	50/125 μm	62.5/125 μm	50/125μm (OM3)
Max. Attenuation dB/km	850 / 1300nm	--	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2
	1310 /1550nm	≤ 0.36 / ≤ 0.25	--	--	--
Minimum Bandwidth MHz • km	850 / 1300nm	--	500 / 500	200 / 500	1500 / 500 @LED 2000 / 500 @Laser

	wavelength	9/125 μm	
Max. Attenuation (dB/km)	1310 /1550nm	≤ 0.36 / ≤ 0.25	
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

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

Part No. 2684x2yyy**Ver. 1801****Product Specification****Ordering Information:**

Part No.	2684x2yyy
Description	Premium Line fiber optic outdoor aerial FTTH drop flat cable, w/two FRP strength members, solid steel wire messenger, LSOH, black
x, mode	1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM/OM3 6: SM 9/125 G657A2
yyy, fiber count	001 / 002 / 004

Packing Information:

1. cable be wound on an iron stand-wooden composite
2. standard drum length is 2000m $\pm$ 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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