

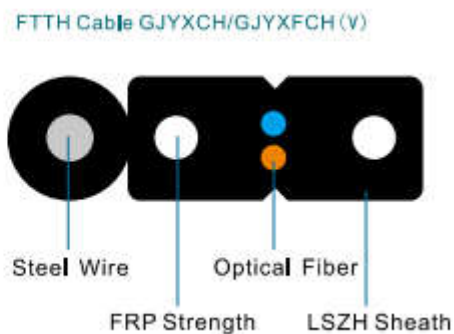
Specification

FOR
FTTH Drop Cable

GJYXFCH

1. CABLE CONSTRUCTION

1.1. CROSS SECTIONAL DIAGRAM



1.2. STRUCTURE SPECIFICATION

Cable Type	GJYXFCH	
Fiber count	1-2	4
The Color Code of The fibers	Natural/Blue, Orange, Green, Brown	
Strength Member	FRP	
Messenger Wire	1.0mm Steel wire/ FRP	
Jacket Material:	LSZH	
OD of cable(mm)	2.0×5.0±0.2	
Net weight (kg/km)	18	18.6
Max.Tensile Loading (N)	600	600

2. Performance Parameters Of the Optical Fiber

2.1 Single Mode Fiber

ITEMS	UNITS	SPECIFICATION	
		G652D	G657A
Fiber type			
Attenuation	dB/km	1310nm ≤ 0.4 1550nm ≤ 0.3	
Chromatic Dispersion	ps/nm.km	1310nm ≤ 3.6 1550nm ≤ 18 1625nm ≤ 22	
Zero Dispersion Slope	ps/nm ² .km	≤ 0.092	
Zero Dispersion Wavelength	nm	1300 ~ 1324	
Cut-off Wavelength (λ_{cc})	nm	≤ 1260	
Attenuation vs. Bending (60mm x 100turns)	dB	(30mm radius, 100ring) ≤ 0.1 @ 1625nm	(10mm radius, 1ring) ≤ 1.5 @ 1625nm
Mode Field Diameter	μm	9.2 ± 0.4 at 1310nm	9.2 ± 0.4 at 1310nm
Core-Clad Concentricity	μm	≤ 0.5	≤ 0.5
Cladding Diameter	μm	125±1	125±1
Cladding Non-circularity	%	≤ 0.8	≤ 0.8
Coating Diameter	μm	245±5	245±5
Proof Test	Gpa	≥ 0.69	≥ 0.69

2.2 Fiber optical cable bending radius

Static bending: ≥15 times than cable out diameter

Dynamic bending: ≥20 times than cable out diameter.

3. Printing and Package

3.1 Printing

PSTEL DROP CABLE GJYXFCH 2FO SM G657A2 N8220190001 LSZH Month/Year xxxM



Brand



fiber cores



fiber type



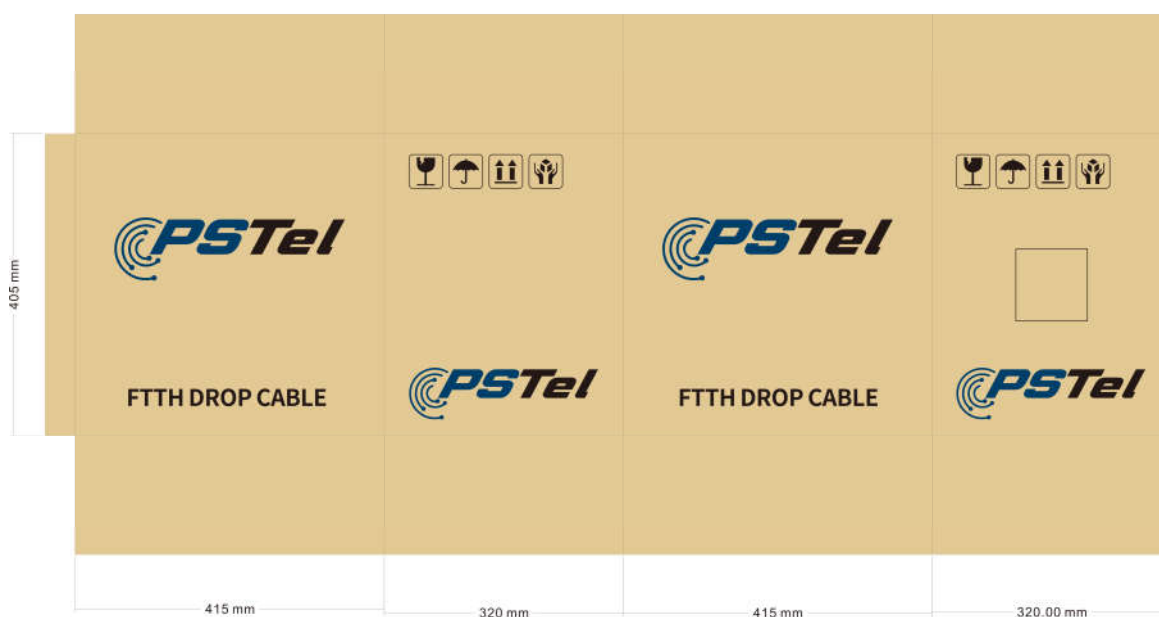
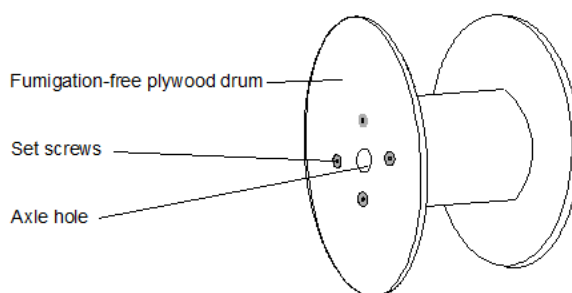
Lot number



Jacket material

3.2 PACKAGE

Not allowed two length units of cable in one drum,. Two ends should be packed inside drum, reserve length of cable not less than 1meters.



3.3 Labels on the Drum



Conformity Certification

Drum no	001
LOT NO.:	N8220190001
Cable Type:	GJYXFCH
Fiber style:	2F/G657A2
Color/OD:	Black/2.0*5.0
LENGTH:	2000M
N WEIGHT:	38KG
G WEIGHT:	41KG
MANUFAC TUEING DATE:	12/2019



Measuring record for optical cable

Cable Type:		GJYXFCH-2B6a2		Drum No:	001
Cable Length:		2000M	Cable Diameter:		2.0*5.0mm
Color	Wave length nm	Attenuation dB/km			
		Fiber Color			
		Blue	Orange		
Black	1310	0.312	0.311		
	1550	0.183	0.182		
Effective Group Index		Chromatic Dispersion(ps/nm km)			MFD(um)

Test By:

Check by:54

Date 2019-12-4