Specification

FOR
FTTH Drop Cable
GJXH

1. CABLE CONSTRUCTION

1.1. CROSS SECTIONAL DIAGRAM

Support Steel Wire

Fiber

LSZH Sheath
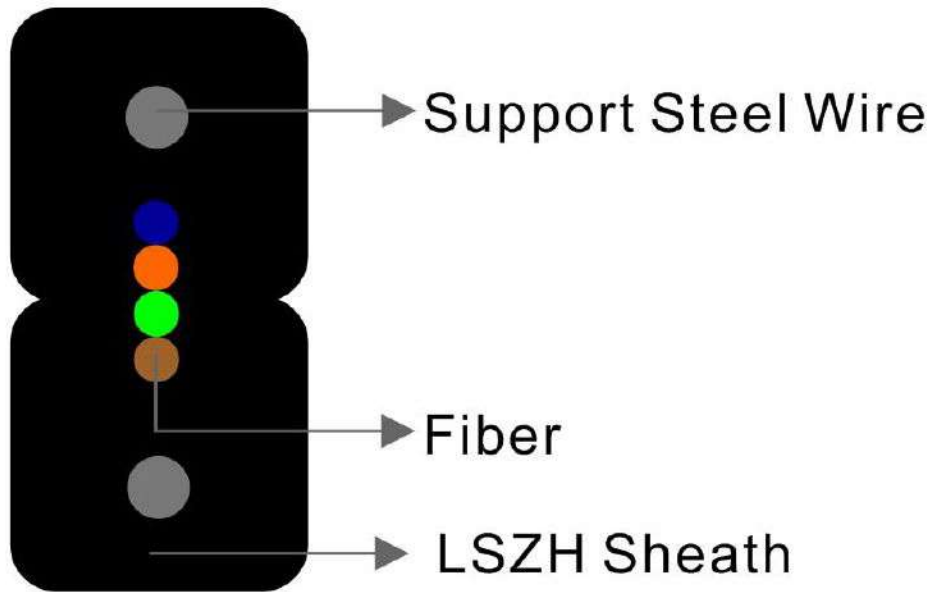
1.2. STRUCTURE SPECIFICATION

Cable Type	GJXH
Fiber count	2F
Strength Member	0.45mm steel
Jacket Material	LSZH Black UV Resistant
OD of cable(mm)	2.0×3.0±0.2
Net weight (kg/km)	10±2
Max.Tensile Loading (N)	120

1.3 Fiber identification

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Fiber Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua

2.Performance Parameters Of the Optical Fiber

2.1 Single Mode Fiber

LTEMS	UNITS	SPECIFICATION
Fiber type		**G657A**
Attenuation	dB/km	1310nm≤ 0.35 1550nm≤ 0.21
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 (λcc)	nm	≤ 1260
Attenuation vs. Bending (60mm x100turns)	dB	(10mm radius，1ring)≤ 1.5 @ 1625nm
Mode Field Diameter	μm	9.2 ± 0.4 at 1310nm
Core-Clad Concentricity	μm	≤ 0.5
Cladding Diameter	μm	125±0.7
Cladding Non-circularity	%	≤ 0.8
Coating Diameter	μm	245±5
Proof Test	Gpa	≥ 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. Mark and Package

3.1 Cable Mark

3.1.1 Manufacturing year, fiber count, fiber type, sheath material, meter mark for without especial request.

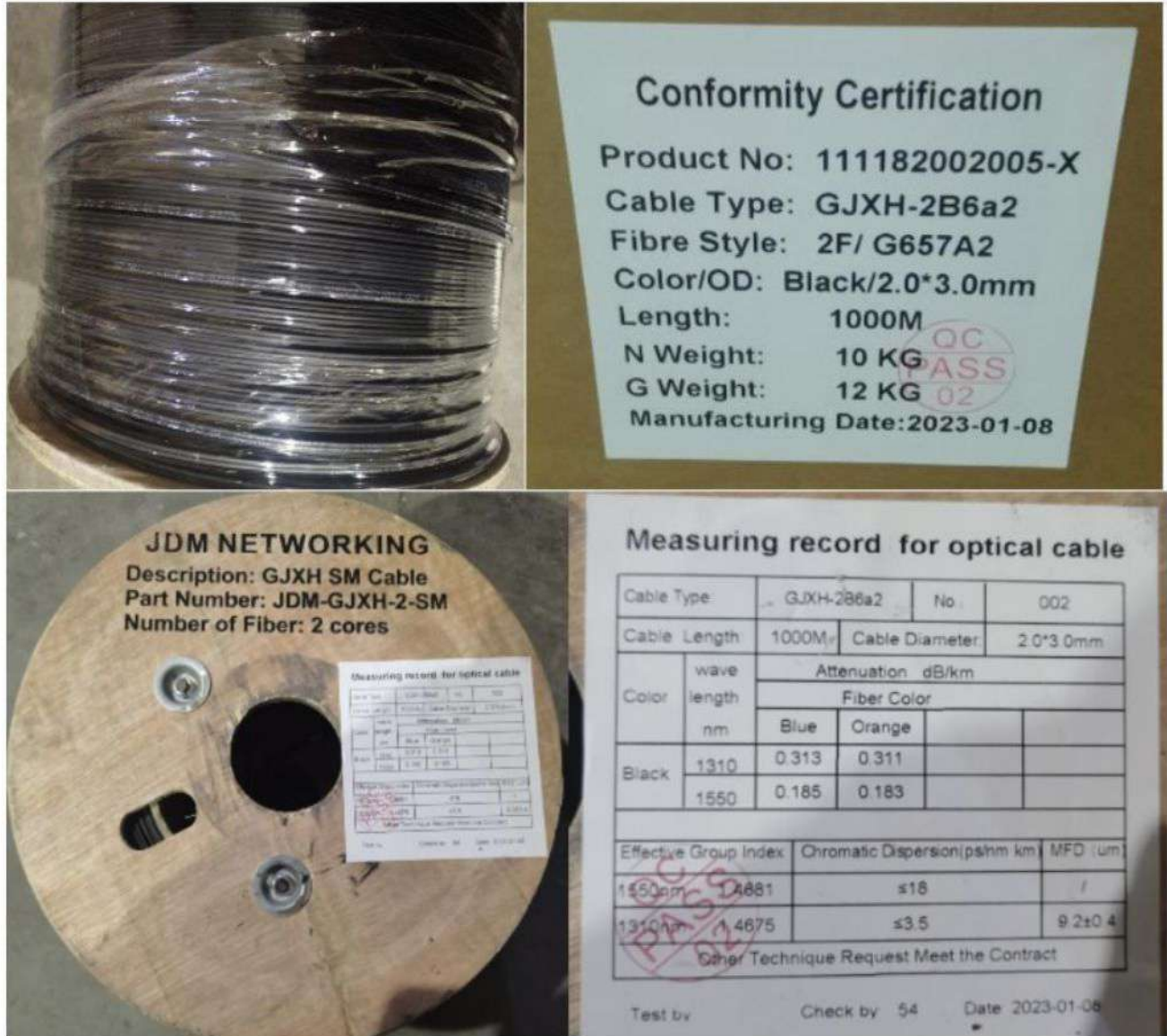3.1.2 Customized printing by order request.

3.2 Drum Mark

3.2.1. Drum size according to the length of cable packed.

3.2.2. Logo will be print on both side of drum, size will be according to customer request.

3.3.3. Label including manufacturing date, item number, length, description of cable, drum number. Format and information available be customized.

3.3 Package

3.3.1 Packing length, 1km/plywood reel, the other length packed available.

3.3.2 Packing material, cable on drum wrapped by protective foil with, Plywood reel as usual package, metal reel available but shall be noted individually if required specially.