

EASENET OPTICAL FIBER CABLE SPECIFICATION

GYXTW -SM-FIBER CABLE 4-12 CORES

1. General

This specification covers the design and performance of the single-mode GYXTW fiber cable.

1.1 Quality

Ensure a continuing level of quality in our cable products through several programs including ISO 9001

1.2 Reliability

Ensures product reliability through rigorous qualification testing of each product family. Both initial and periodic qualification testing are performed to assure the cable's performance and durability in the field environment

1.3 Working Condition

Transportation and storage temperature:-40°C - +70°C

Installation temperature:-15°C - +60°C

Operating temperature:-40°C - +70°C

1.4 Minimum Allowable Bending Radius

Static: 10D

Dynamic: 20D

D is the out diameter of the cable

1.5 Life Time

Optical fibre cable supplied in compliance with the specifications can be capable of withstanding the typical service condition for a period of twenty-five years without detriment to the transmission or operation and maintenance characteristics of the cable.

2 Cable Description

The single mode optical cable herein after referred to as "cable" comply with the requirements of this specification and generally meet ITU-T Recommendation G652 covers single-mode NDSF (non-dispersion-shifted fiber) which is optimized for 1310nm wavelength.

2.1 Features

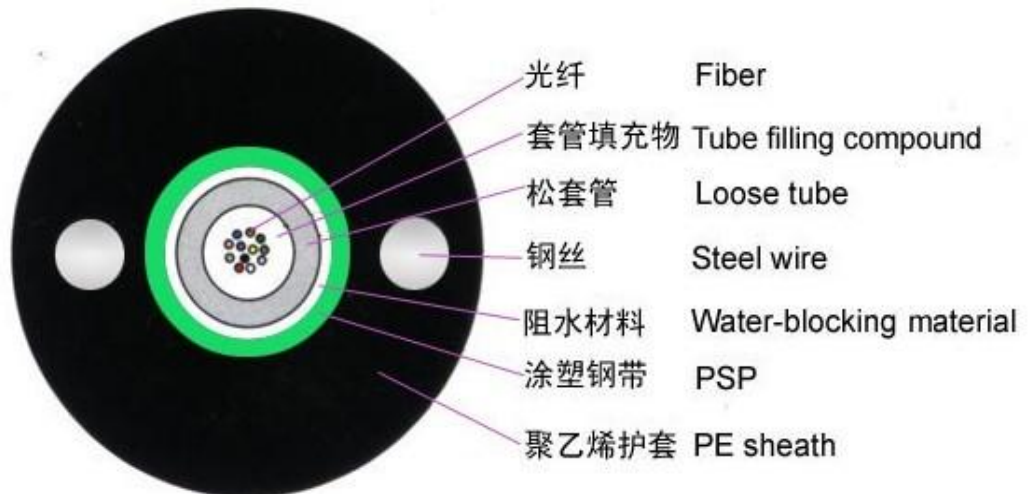
Good mechanical and temperature performance

High strength loose tube that is hydrolysis resistant

Special tube filling compound ensure a critical protection of fiber
Two parallel steel wires ensure tensile strength
Small diameter, light weight and friendly installation

2.2 Construction

- 中心管式輕鎧裝光纜 (GYXTW)
Unitube Light-armored Cable



2.3 Cable Test Report

<u>GYXTW OPTIC FIBER CABLE</u>							
Specification model		UKCC GYXTW 9/125		Electrical continuity		Connectivity	
Coating integrity		Pass	Infiltration test	Pass	Package	Pass	
Loose tube	Color code	Cladding	error	Non-circularity	1310	Fiber loss	
		Diameter					
No.	Code	Criterion	125±1	≤0.8	≤2	≤3.0	≤0.7
		Unit	um	um	%	dB/km	dB/km
1	Tube	B	125.1	0.1	0.1	0.203	0.143
		OR	124.2	0.1	0.1	0.213	0.189
		G	125.1	0.1	0.1	0.223	0.194
		BR	124.1	0.1	0.1	0.233	0.177
		GR	125.2	0.1	0.1	0.228	0.188
		WW	124.7	0.1	0.1	1.228	1.188
		R	125.1	0.1	0.1	0.201	0.149
		BL	125.1	0.1	0.1	0.208	0.145
		Y	125.1	0.1	0.1	0.223	0.191
		V	125.6	0.1	0.1	0.223	0.194
		P	125.9	0.1	0.1	0.225	0.196
		AQ	124.1	0.1	0.1	0.228	0.198
Fiber color code: B: Blue OR: Orange G: Green Br: Brown Gr: Grey W:White R: Red BL: Black Y: Yellow V: Purple P: Pink AQ: Dark Green							

3 Cable Sheath Marking

Unless otherwise specified, the cable sheath marking shall be in accordance with following;

Colour: Black

Contents: EASENET, the type of the cable, length marking

Interval: 1M

4 Packaging

4.1 Reel Length

Standard reel length: 3KM

4.2 Cable Drum

The cables are packed in wooden drums. The minimum barrel diameter of the drum shall be more than 30 times of the nominal diameter for armoured cable.