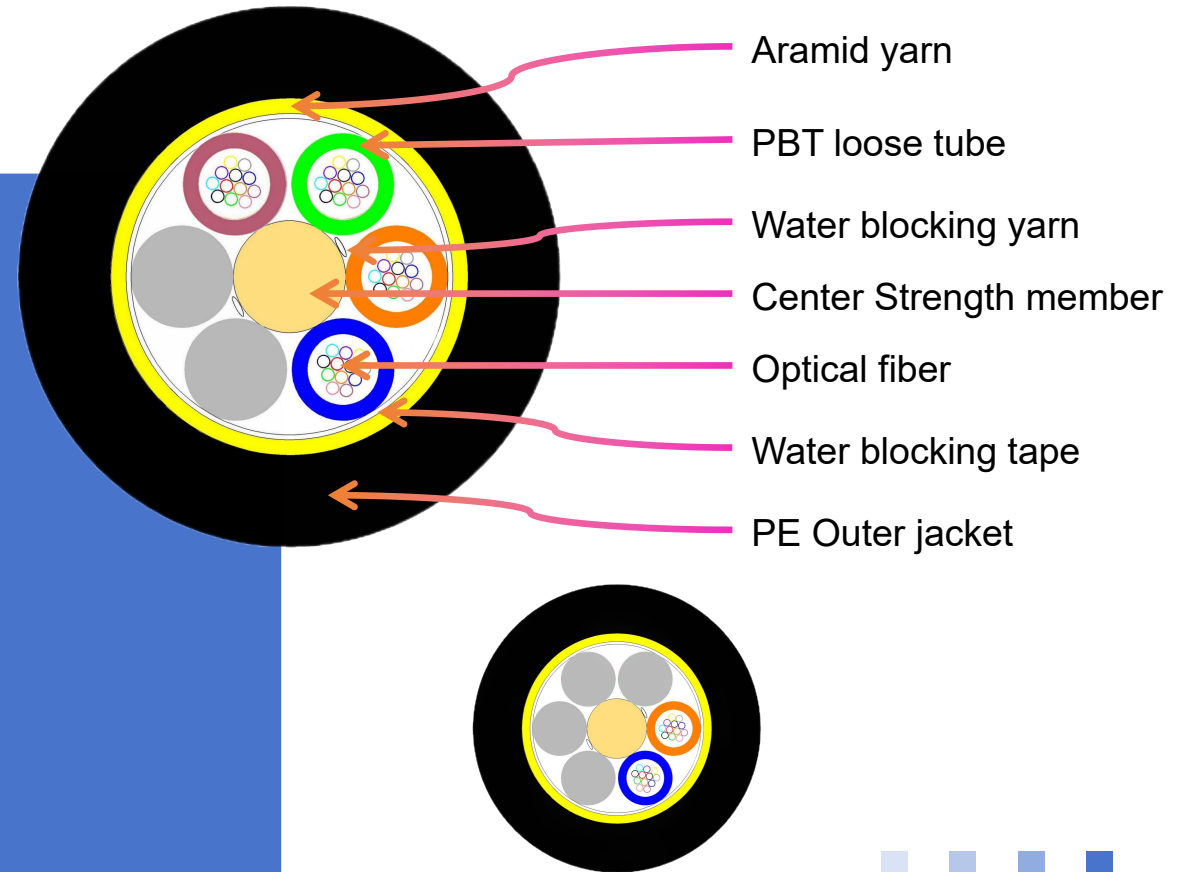


PRODUCT SPECIFICATION

ADSS-12/24/48 Cores SM G652d

ZXOFc

2024/8



Product structure parameters

Optical Fiber Color

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Aqua

PBT Loose Tube Color

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	-	-	-	-	-	-	-	-

Structure

Project	unit	Parameter		
Optical Fiber	Number	12	24	48
FRP Center Stiffener diameter	±0.1mm	2.0	2.0	2.0
Water Blocking yarn	D	1500	1500	1500*2
PBT Loose Tube diameter	±0.1mm		1.9	
Optical fibers in tube	Number		12	
PBT Loose Tube	Number	1	2	4
Filler rope	Number	5	4	2
Water Blocking Tape	±0.05mm	0.2	0.2	0.2
Aramid yarn	dtex	3000*6	3000*6	3300*6
HDPE Sheath thickness	±0.1mm	1.4	1.4	1.7
Cable Diameter	±0.3mm	9.5	9.5	9.8
Cable weight	±5Kg/km	80	80	80

Product Mechanical performance parameter

Project	unit	Parameter
Span	m	100
Wind speed	m/s	25
Thickness of the ice	mm	5
MAT tension	N	3500
RTS tension	N	7000
EDS	N	1350
Young Modulus	KN/mm ²	6.5
Coefficient of Linear Expansion	10 ⁻⁶ /°C	10.35
Long Flattening Force	N/100mm	1000
Short Flattening Force	N/100mm	2200
Static Bending Radius	mm	15D
Dynamic Bending Radius	mm	25D
Storage Temperature	°C	-40 ~ 70
Install Temperature	°C	-10 ~ 50
Run Temperature	°C	-40 ~ 70

Optical Characteristics parameter

Optical Fiber Type	Attenuation Coefficient (+20℃)				OFL Bandwidth		Numerical value	Cable cut-off wavelen gth
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
G.652D	/	/	≤0.36 dB/km	≤0.22 dB/km	/	/	/	≤1260 nm
50/125μm	≤3.0 dB/km	≤1.0 dB/km	/	/	≥500 MHz·km	≥500 MHz·km	0.200±0.015 NA	/
62.5/125μm	≤3.0 dB/km	≤1.0 dB/km	/	/	≥200 MHz·km	≥500 MHz·km	0.275±0.015 NA	/