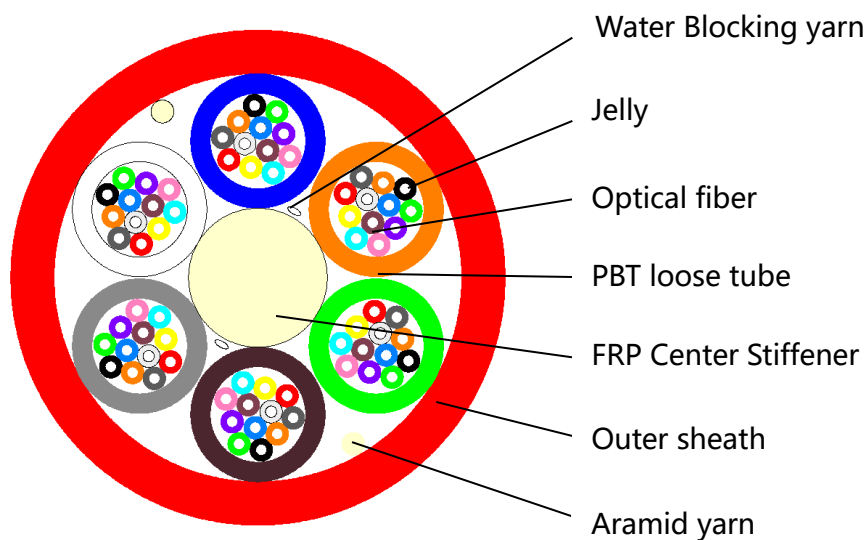


Technical specifications of optical cable products-20210618A01

Product name : Air blown optical cable

Model: GCYFTY 72 F

Structural diagram:



Optical Fiber Color

Fiber NO	1	2	3	4	5	6	7	8	9	10	11	12
12F/T	Blue	orange	Green	brown	Grey	white	Red	black	Yellow	Purple	Pink	Aqua

Loose Tube Color

Tube NO	1	2	3	4	5	6	7	8	9	10	11	12
72 F	Blue	orange	Green	brown	Grey	white	-	-	-	-	-	-

Structure Parameter

Optical Fiber		72 (12C*3T)
FRP Center Stiffener diameter	mm	1.6
PBT Loose Tube diameter	±0.1mm	1.5
PBT Loose Tube Number		6
Number of optical fibers in tube		12
Filler rope Number		-
Aramid yarn	1000 D	2
Outer sheath thickness	±0.05mm	0.45
Cable Diameter	±0.2mm	5.5
Cable weight	±5Kg/km	30
Long stretch Force	N	0.15G

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Short stretch Force	N	0.5G
Static Bending Radius	mm	10
Dynamic Bending Radius	mm	20
Storage Temperature	°C	-40 ~ 60°C
Install Temperature	°C	-20 ~ 60°C
Run Temperature	°C	-40 ~ 60°C

Optical characteristic parameter

Optical Fiber Type		G.652D
Attenuation Coefficient	@1310nm	≤0.355 dB/km
	@1383nm	≤0.360 dB/km
	@1550nm	≤0.215 dB/km
	@1625nm	≤0.220 dB/km
Effective Group Refractive Index	@1310nm	1.467
	@1550nm	1.467
Polarization Mode Dispersion		≤0.1 ps/√km
MFD 1310 nm		9.0±0.3 μm
MFD 1550 nm		10.0±0.3 μm
Cladding Diameter		125.0±1.0 μm
Cladding Non-Circularity		≤1.0 %
Core/Cladding Concentricity Error		≤0.8 μm
Coating Diameter		242±7 μm
Core No-Circularity		≤6.0 %
Coating/Cladding Concentricity Error		≤12.0 μm
Cable Cut-Off		≤1260 nm
Zero Dispersion Wave length		1312±10 nm
Dispersion Slope		0.092 ps/(nm ² ·km)
PMD link design value		≤0.05ps/√km

Product standards : ITU-T G652D ; YD/T 14604-2019