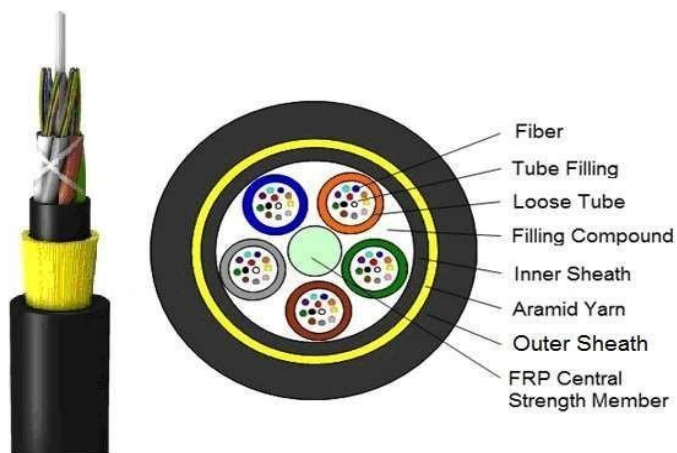


1. Cable Structure



CABLE STRUCTURE AND PARAMETERS:

Physical Parameters	Cable Model	ADSS-PKP-5KN-12B1.3
	Fiber Count	12
	Fiber Type	MM OM1
	Cable Outer Diameter(O.D.)	12.0mm
	Cable Weight	120KG/KM
	Inner/Outer Sheath Thickness	0.8/1.6mm
	Operating temperature range	-40°C to +60°C
	Storage / Transport temperature range	-50°C to +70°C
	Installation temperature range	-30°C to +50°C
Mechanical Parameters	Tensile Strength (Long Term)	2500N
	Tensile Strength (Short Term)	5000N
	Crush Resistance (Long Term)	750N/100mm
	Crush Resistance (Short Term)	1500N/100mm
	Bending Radius(Short Term)	20×O.D.
	Bending Radius(Long Term)	10×O.D.

2 Color Code of Optical Fiber

2.1 Fiber Color Arrangement

Fiber No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Grey	White

2.2 Loose Tube(LT) and Filler Rod(FR) Color Arrangement

Tube No.	1	2	3	4	5	6
Color	Blue	Orange	FR	FR	FR	FR

Note) Color code may be changed upon customer's request.

Product Specifications

Geometry Characteristics

Core Diameter (μm)	62.5±2.5
Cladding Diameter (μm)	125.0±2.0
Cladding Non-Circularity (%)	≤2%
Coating Diameter (μm)	245 ± 10
Coating/Cladding Concentricity Error (μm)	≤12.5
Core/Cladding Concentricity Error (μm)	≤1.5

Optical Characteristics

Cutoff wavelength (λ _{cc})		≤1260um
Attenuation (dB/km)	850nm	≤3.5 db/km
	1300nm	≤1.5 db/km
Numerical Aperture		0.275 ± 0.015
Bandwidth @850nm		≥160MHz.km
Bandwidth @850nm		≥200MHz.km
Zero dispersion Wavelength (nm)		1295-1365
Zero dispersion Slope (ps/(nm .2.km))	1295≤λ≤1300nm	≤0.105+0.001*(λ -1295)ps/(nm.km)
	1300≤λ≤1348nm	≤0.11ps/(nm.km)
	1348≤λ≤11365nm	≤0.001(1458-λ)ps/(nm.km)

Features

Extremely refined refractive index profile
 Specially designed for 10Gb/s Ethernet applications using low cost 850nm VCSELs
 Supporting 40 & 100 Gb/s applications
 Low differential mode delay (DMD)
 Coated with YOFC's proprietary dual layer UV curable acrylate
 850nm laser - optimized

Benefits and Applications

Central offices
 Data centers
 High performance computing centers
 Local Area Networks
 Storage Area Networks
 Optimized performance in tight-buffer cable app
 High resistance to microbending