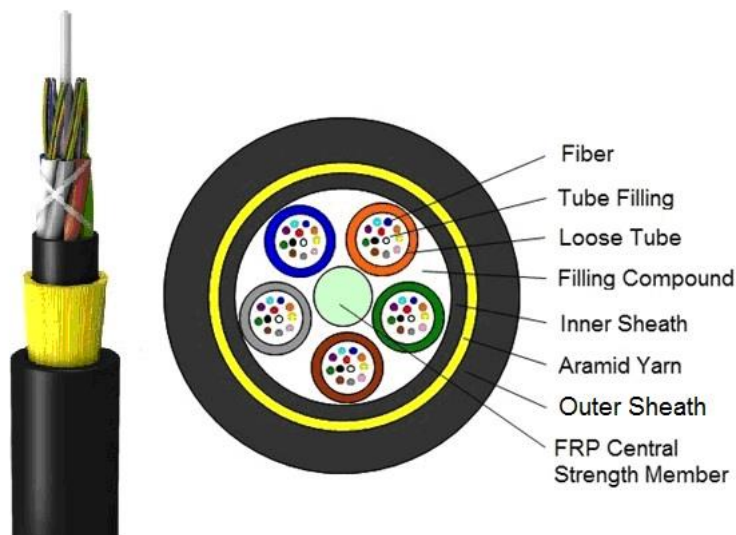


FIBRA OPTICA ADSS - PKP - 5KN 12B1.3 SINGLEMODO G-652D

1. Cable Structure



CABLE STRUCTURE AND PARAMETERS:

Physical Parameters	Cable Model	ADSS-PKP-5KN-12B1.3
	Fiber Count	12
	Fiber Type	SM G.652D 9/125μm
	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.

3. Fiber Specifications

Category	Description	Specifications	
		Before cabling	After cabling
Optical Specifications (ITU-T SM G.652D)	Attenuation@1310 nm	≤0.34db/km	≤0.36db/km
	Attenuation@1550 nm	≤0.20db/km	≤0.22db/km
	Zero Dispersion Wavelength	1300~1324nm	
	Zero Dispersion Slope	≤0.092ps/(km ² .nm)	
	Chromatic Dispersion@1285~1330nm @1550nm	≤03.5ps/(km.nm) ≤18ps/(km.nm)	
	Cable Cutoff Wavelength(ACC)	≤1260nm	
	PMD	≤0.2PS/km ^{1/2}	
	Macro bending 1000tums.Φ75mm @1330nm	≤0.5db	
	1000tums.Φ75mm@1550nm	≤0.1db	
	Mode Field Diameter @1330nm	9.2±0.4μm	
Dimensional Specifications	Cladding Diameter	125±1μm	
	Mode Field concentricity error	≤0.6μm	
	Cladding Non-Circularity	≤1%	
Mechanical Specification	Fiber proof test	≥1%	