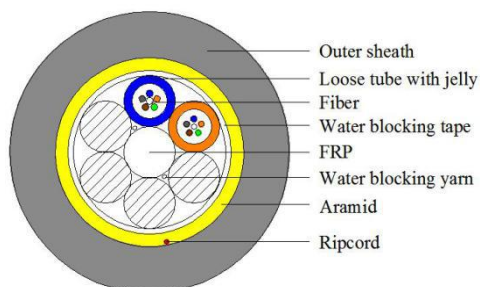


ADSS



CONSTRUCTION

Structure	Unit	Parameter					
Fiber count	fibers	6	12	24	48	96	144
Fiber type	--	G.652D					
Element		6	6	6	6	8	12
Cores per tube		6	6	6	12	12	12
Loose tube Diameter	mm	Φ1.8	Φ1.8	Φ1.8	Φ2.1	Φ2.1	Φ2.1
Central strength member	--	FRP					
Strength member	--	Aramid yarn					
Outer sheath thickness	mm	1.5					
Outer sheath material	--	HDPE					
Cable diameter	mm	9.2	9.2	9.2	10.0	11.4	14.4
Weight	Kg/km	65	65	66	78	103	159
Tensile strength (MAT)	N	2100	2100	2100	2100	3000	4400

CABLE PROPERTIES

Span	m	MAX: 200
The relative dip	%	1.0
Crush Resistance	N/100mm	1000
Bending Radius	Dynamic	≥20×Cable Diameter
	Static	≥10×Cable Diameter
Operating Temperature	℃	-40 ~+70

STANDARDS

IEC60793-1	Optical fiber Part 1: Generic specifications
IEC60793-2	Optical fiber Part 2: Product specifications
IEC60794-1-1	Optical fiber cables Part 1-1: Generic specification – General
IEC60794-1-2	Optical fiber cables Part 1-2: Generic specification – Basic optical cable test procedures

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FIBER CHARACTERISTICS

Category	Description		Specifications
			G.652D(After Cabling)
Optical Specifications	Attenuation	@1310 nm	≤0.36 dB/km
		@1550 nm	≤0.22 dB/km
	Attenuation vs. Wavelength	@1288~1339 nm	≤0.05 dB/km
		@1525~1575 nm	≤0.05 dB/km
	Zero Dispersion Wavelength(nm)		1300~1324
	Zero Dispersion Slope		≤0.092 ps/nm².km
	Dispersion	@1310 nm	≤3.5 ps/nm.km
		@1550 nm	≤18 ps/nm.km
	PMD Link value		≤0.15 ps/km ^{1/2}
	Cable Cutoff Wavelength(λcc)		≤1260 nm
	Mode Field Diameter	@1310 nm	9.2±0.6 μm
		@1550 nm	10.4±0.8 μm
Dimensional Specifications	Fiber Curl Radius		≥4.0 m
	Cladding Diameter		125±0.8 μm
	Mode field Core/clad concentricity		≤0.5 μm
	Coating Diameter		245±5 μm
	Coating/Cladding Concentricity		≤8 μm
	Cladding Non-Circularity		≤1.0 %
Mechanical Specifications	Proof Test		≥1.0 %
	Peak Coating Strip Force		1.0~8.9 N
Environmental Specifications	Temperature Cycling Induced Attenuation @1310nm,1550nm,1625nm(-60℃to+85℃)		≤0.05 dB/km

FIBERS AND TUBE COLOR CODE

											
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua