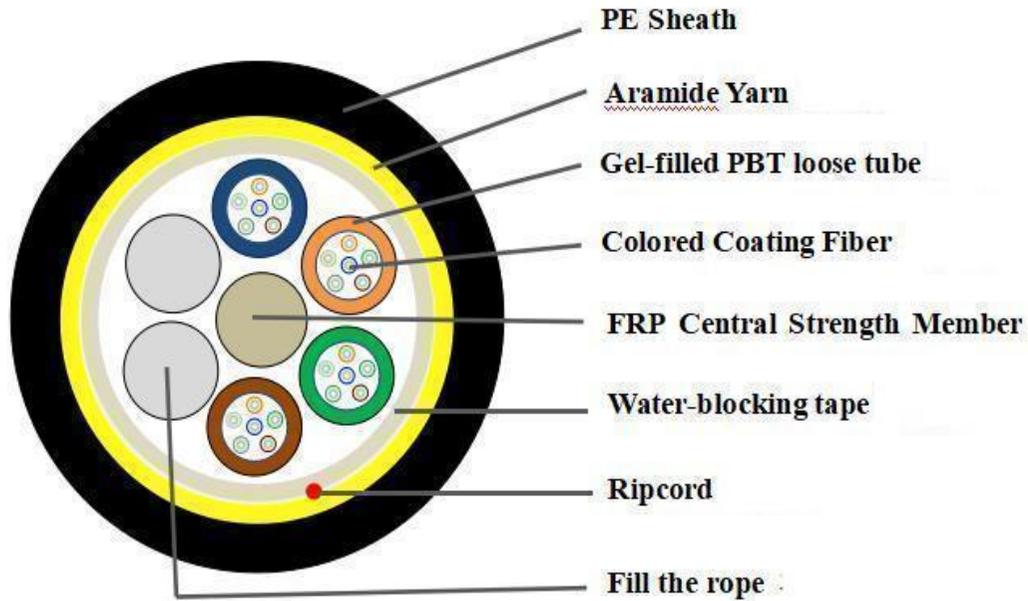


# ADSS All-dielectric Self-supporting Cable (ADSS-PE-120M)



0.00					
Fibers:	6C	12C	24C	48C	96C
No. of Tube	1	1	2	4	8
No. of fiber/Tube	6	12	12	12	12
Fibers color	Blue, Orange, Green, Brown, Gray, White	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Purple, Pink, Aqua			
Loose Tube Diameter	2.0 mm±0.1				
Tubes color	Blue	Blue	Blue, Orange	Blue, Orange, Green, Brown	Blue, Orange, Green, Brown, Gray, White, Red, Black
FRP Strength Member Diameter	2.0mm				2.3mm+PE
The water-blocking material	Water Blocking tape				
Aramid Yarn Section	4.6mm <sup>2</sup>				

Out Sheath Diameter Thickness	1.8mm±0.2				
Cable Diameter	9.5 mm±0.2	9.5 mm±0.2	9.5 mm±0.2	10.0 mm±0.2	12.0mm±0.2
Cable Weight	70kg/km	70kg/km	70kg/km	75kg/km	110kg/km
Loose Tube Material	PBT				
Filling compound (Tube)	Thixotropic Jelly				
Water Blocking	Water Swell able Material				
Out sheath	HDPE				

### Optical Fiber Parameter

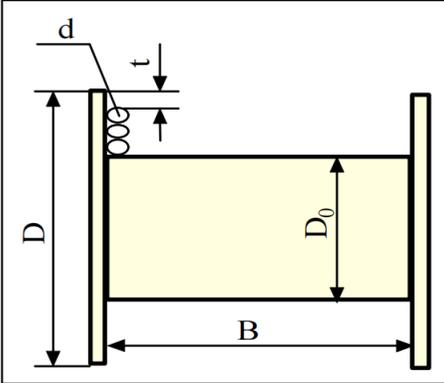
Fiber Type	G652D
Mode Field Diameter	8.6~9.5±0.7µm
Cladding Diameter	125 ± 1µm
Cladding Non-Circularity:	≤ 1%
Coating Diameter	245 ± 10µm
Attenuation Coefficient	≤ 0.36dB/km at 1310nm, ≤ 0.22dB/km at 1550nm
Chromatic Dispersion	≤3.5ps/nm/km at 1285~1330nm, ≤18ps/nm/km at 1550nm
Zero Dispersion Wavelength	1300~1322nm
PMD Coefficient	≤ 0.2ps/√km

### Mechanical & Environmental Performance

Item	Referencstandard	Specification
RTS	DL/788-2001	6KN
MAT	DL/788-2001	3.5KN
EDS	DL/788-2001	1.25KN

Minimum Bending Radius	DL/788-2001	230mm
Temperature Recycle	DL/788-2001	Step:+20°C->-40°C +70°C->+20°C, 24Hrs
InstallingTensileStrength		1350N
ElasticModulus		4.36GPa
Thermal Expansion Coefficient		$2.74 \times 10^{-5}$

Weather Conditions	
Item	Specification
InstallingTemperature	15°C
Installing Wind Speed	0m/s
Temperaturer at Max.Wind Speed	5°C
Max. Wind Speed	25m/s
Temperaturer at Max.Ice	-5°C
Wind Speed at Max. Ice	10m/s
Ice Covery Thickness	5mm
Installing Sag	1.86%

Packing Details					
Packing	Reeled by wooden drum suitable for long-distance shipment				
Normal cable factory length	Standard delivery length is 2000m with a tolerance of 5% or other required				
Drum Specification		D	6/1224C	48C	96C
			800mm	800mm	1000mm
		D0			400mm
		B		700mm	
Sheath Marking	The name of the factory、type specification、date、length				

Optical Fiber Spectrum											
1	2	3	4	5	6	7	8	9	10	11	12
蓝	桔	绿	棕	灰	本	红	黑	黄	紫	粉红	青绿
1	2	3	4	5	6	7	8	9	10	11	12
Bule	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Purple	Pink	Aqua