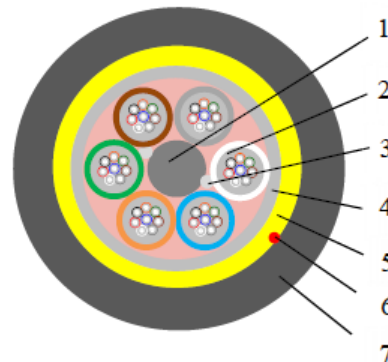


## ADSS-48B1.3-PE-120M CABLE



### Cable Section Sketch Map

1	Center Strength Member	FRP	2.3+/-0.1	
2	Fiber Unit	Loose Tube	PBT	2.1+/-0.1
		Fiber	48 Single Mode Fibers	G652D
		Fiber Quantity	12 Pcs Fibers× 4 Loose Tubes	
		Fiber Color	Blue、 Orange、 Green、 Brown、 Gray、 White 、 Red、 Black、 Yellow、 Purple、 Pink、 Aqua	
		Loose Tube Color	Blue、 Orange、 Green、 Brown	
	Filling (Fiber Jelly)	Thixotropic Jelly		
3	Water Blocking	Water Blocking Yarn		
4	Water Blocking	Water Blocking Tape		
5	Strength Member	Aramid Yarns		
6	Ripcord	1Pcs		
7	Outer Sheath	PE	10.6+/-0.5	

## Technical Data Sheet

Item		Unit	Parameter
Cable Standard Weight		kg/km	80
Rated Tensile Strength(RTS)		KN	4.5
Maximum Allowable Tension(MAT)		KN	1.8
Every Day Strength(EDS)		KN	1.15
Min-Bending Radius	Short-Term	mm	20D
	Long-Term	mm	10D
Crush Performance	Short-Term	N/100mm	1000
	Long-Term	N/100mm	300
Suiting Line Voltage Class		Not more than 35 kV	
Span		m	120
Suitable Meteorological Condition		Max wind speed: 25m/s, No icing	
Operation	When working or in store	°C	-40°C-+70°C
Temperature	When laying	°C	-10°C-+50°C
Fiber Attenuation Coefficient in Cable		dB/km(1310nm)	≤0.36dB/km
		dB/km(1550nm)	≤0.22dB/km

**Reference:**

The cable is manufactured and tested according with the standards as following:

ITU-T G652	Characteristics of a single-mode optical fibre
IEC 60794-1-1	Optical fibre cables – Part 1-1: Generic specification – General
IEC 60794-1-21	Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Mechanical test methods

IEC 60794-1-22	Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Environmental test methods
IEC 60794-3	Optical fibre cables – Part 3: Sectional specification-Outdoor cables
IEC 60794-4-20	Aerial optical cables along electrical power lines-Family specification for ADSS (All Dielectric Self Supported) optical cables