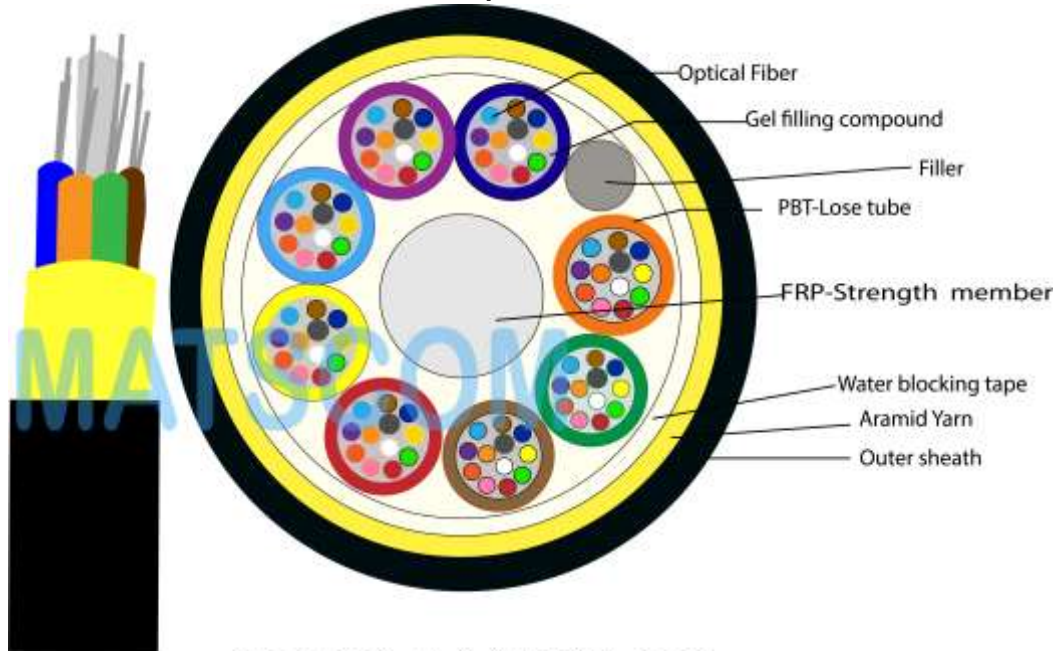


ADSS specification



ADSS 144 HILOS

Cable performance

	名称	ADSS-144B1-PE-100
Cable structure	Center to strengthen core FRP	2.0mm/3.4mm
	Loose tube (filling gel)	2.1±0.2mm
	Outsheath thickness PE	1.8±0.2mm
	Cable diameter	11.8±0.3mm
	cable weight	123±10%kg/km
	Loose tube(pcs)	12
	Each tube contains fibers	12 cores,
	Loose tube color	Blue, Orange、 Green、 Brown Red、 Black, Yellow、 Purple

	Optical fiber color	Blue、 Orange、 Green、 Brown、 Gray 、 Natural、 Red、 Black、 Yellow、 Purple、 Pink、 Aqua
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Fiber parameter			
Item	Unit	Specification	
Fiber Type		G.652D	
Mode field diameter	1310nm	μm	9.2±0.4
	1550nm	μm	10.4±0.8
Cladding diameter		μm	125.0±1
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤0.5
Coating diameter		μm	245±5
Coating non-Circularity		%	≤6.0
Coating/cladding concentricity error		μm	≤12.0
Cable cut-off wavelength		nm	≤1260
Attenuation Coefficient	1310nm	dB/km	≤0.36
	1550nm	dB/km	≤0.22
Proof stress level		kpsi	≥100

Note: Other parameters meet standard ITU-T G.652

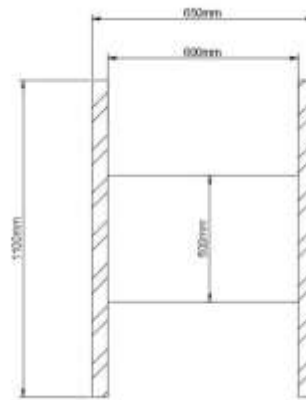
Mechanical and Environmental Characteristics

Performance parameters	Rated tensile strength (RTS)	KN	4.5
	Allows the use of tension (MAT)	KN	2
	The average annual running tension (EDS)	KN	1.8
	Limit running tension (UES)	KN	3.2
	Max span	m	100

	Young's modulus	kN/mm ²	3.75
	The compressive strength	长期 For a long time	1000N/100mm
		短期 In the short term	2000N/100mm

Dimensions of Cable Constructions

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter/pad diameter (mm)	Nominal Thickness of outer jacket (mm)	Cable diameter/ Height (mm)	Cable weight (kg/km)
144	1+12	12	2.1+0.1	3.0/6.2	1.7	14.5+-0.3	175



Cable type	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length (km)	Drum type
ADSS(2-24)	1100	1100	750	4	wood drum

Mark: White color Ink jet printing, Cable Mark: Brand, Cable type, Fiber type and counts, Year of manufacture and Length marking.