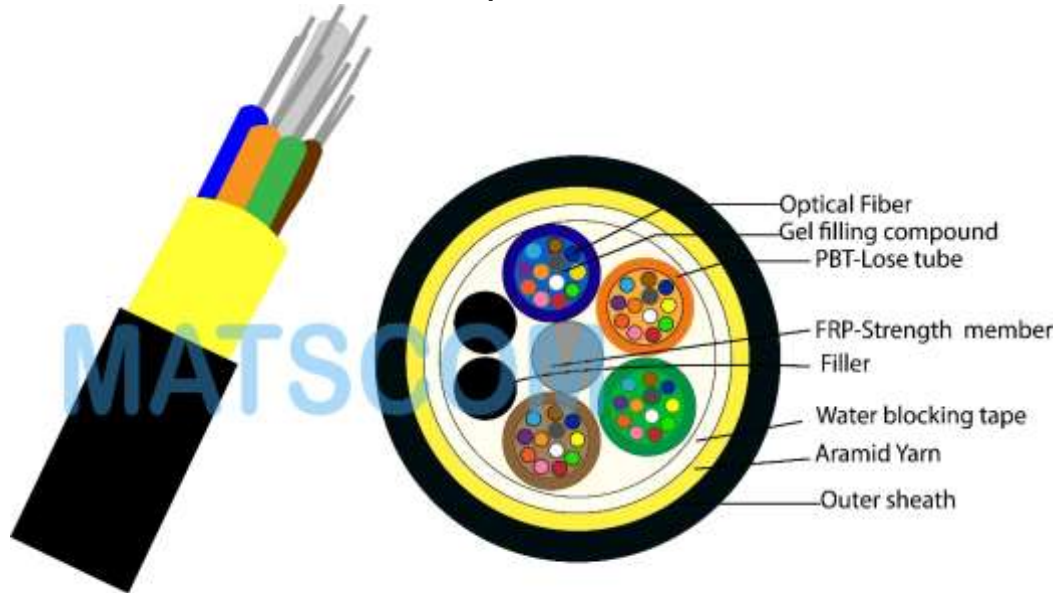


ADSS specification



ADSS 48 HILOS

Cable performance

	名称	ADSS-48B1-PE-100
Cable structure	Center to strengthen core FRP	2.0mm
	Loose tube (filling gel)	2.1±0.2mm
	Outsheath thickness PE	1.6±0.2mm
	Cable diameter	10.0±0.2mm
	cable weight	85±10%kg/km
	Loose tube(pcs)	4
	Each tube contains fibers	48 cores,
	Loose tube color	Blue, Orange、 Green、 Brown
	Optical fiber color	Blue、 Orange、 Green、 Brown、 Gray、 Natural、 Red、 Black, Yellow、 Purple、 Pink、 Aqua

Fiber parameter

Item	Unit	Specification	
Fiber Type		G.652D	
Mode field diameter	1310nm	□m	9.2±0.4
	1550nm	□m	10.4±0.8
Cladding diameter		□m	25.0±1
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		□m	≤0.5
Coating diameter		□m	245±5
Coating non-Circularity		%	≤6.0
Coating/cladding concentricity error		□m	≤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

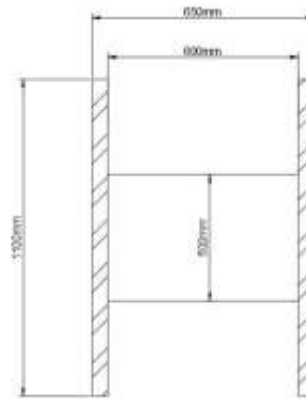
Note: Other parameters meet standard ITU-T G.652

Mechanical and Environmental Characteristics

Performance parameters	Rated tensile strength (RTS)	KN	7.5	
	Allows the use of tension (MAT)	KN	2.5	
	The average annual running tension (EDS)	KN	1.5	
	Limit running tension (UES)	KN	4.5	
	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)
48	1+6	12	2.1+0.1	2.0/2.0	1.6	10.0+-0.3	85



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.