

ADSS specification



ADSS DE 4 HILOS

Cable performance

	名称	ADSS-4B1-PE-100
光缆结构 Cable structure	Center to strengthen core FRP	2.0mm
	Loose tube (filling gel)	1.9±0.2mm
	Outsheath thickness PE	1.6±0.2mm
	Cable diameter	9.8±0.3mm
	cable weight	82±10%kg/km
	Loose tube(pcs)	1
	Each tube contains fibers	4cores
	Loose tube color	Blue
	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	□m	9.2±0.4
	1550nm	□m	10.4±0.8
Cladding diameter		□m	125.0□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

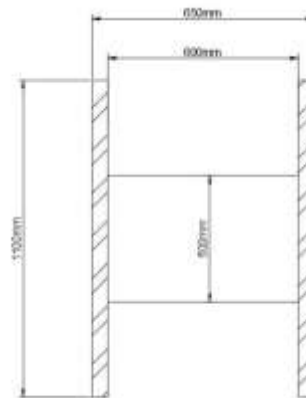
Mechanical and Environmental Characteristics

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)
4	1+6	4	1.9±0.1	2.0/2.0	1.6	9.5±0.2	82



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.