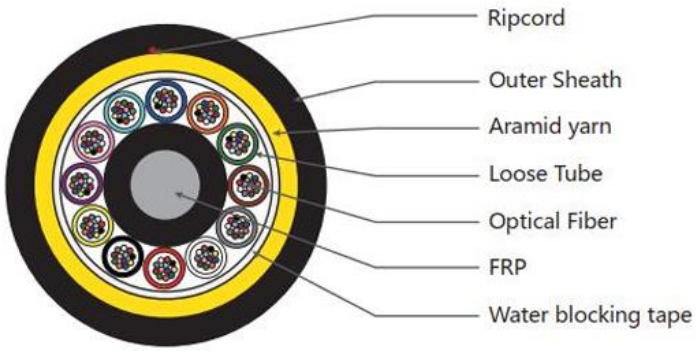
ADSS Single Jacket Optical Fiber Cable

ADSS-25



Fiber Type

ITU T-G.652D SM 9/125

Attenuation at 1310 nm	Max. 0.34 dB/km
Attenuation at 1383 nm	Max. 0.34 dB/km
Attenuation at 1550 nm	Max. 0.21 dB/km
Attenuation at 1625 nm	Max. 0.23 dB/km
Attenuation at 1285 - 1625 nm	Max. 0.40 dB/km

Application

Self-supporting aerial installation. ADSS cables possess high tensile strength and flexibility in compact cable size.

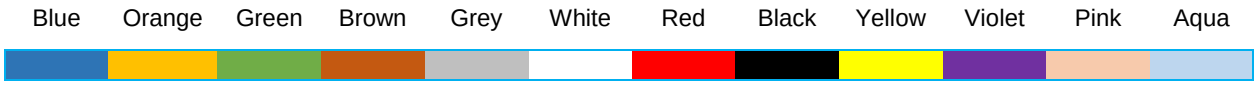
General Construction

Single jacket PE outer sheath, multi loose tube with filing compound, fillers, nonmetallic, Water blocking tape, FRP strength member, aramid yarn protection layer, 96 fibers

Cable Design		
Construction Type	1+12	
Fibers	144	
Loose Tubes	12	
Outer Diameter (mm)	13.8	
Span	70 meters	
Central member material	FRP	
FRP Diameter (mm)	3.0	
Outer Sheath Material & Color	HDPE, Black	
Cable sheath thickness (mm)	1.7	
Filling Compound in Loose Tube	Thixotropic Jelly Compound	
Water Blocking Material	Water blocking yarn & tape	
Auxiliary Strength Member	Aramid Yarn	
Ripcord	Yes, 2 under outer sheath	
Min Bending Radius	Static	10D
	Dynamic	20D
Temperature	Operation	-40°C - +80°C
	Installation	-10°C - +60°C
	Storage	-40°C - +80°C

Fiber Identification Colors

All fiber cores are individually identified by colored quoting up to 12 colors according to EIA/TIA 598



Optical Specification

ITU T-G652D

Attenuation at 1310 nm	Max. 0.34 dB/km
Attenuation at 1383 nm	Max. 0.34 dB/km
Attenuation at 1550 nm	Max. 0.21 dB/km
Attenuation at 1625 nm	Max. 0.23 dB/km
Zero Dispersion Wavelength	1300 – 1324 nm
Zero Dispersion slope	≤ 0.092 ps/nm2.km
PMD Link value of fiber individual	≤ 0.18 ps/√km
Dispersion Coefficient 1285 – 1330 nm	≤ 3.5 ps/nm.km
Dispersion Coefficient 1550nm	≤ 18.0 ps/nm.km
Dispersion Coefficient 1625nm	≤ 22.0 ps/nm.km
Macro bending Loss (100turns; Φ50mm)@1550nm (100turns;Φ50mm)@1625nm	≤0.05dB ≤0.10dB
Mode Field Diameter @ 1310nm	9.2±0.4µm
Mode Field Diameter @ 1550nm	10.4±0.5µm
Cladding Diameter	125±1.0µm
Coating diameter(colored)	250±15µm

Cable Marking

PAMIX ADSS-25 Fiber Cable Nonmetallic <Product Number> <Number of fiber cores> SM 9/125 G.652D <Lot No.> <meter count>

* Cable marking can be customized to meet customer needs.

Standards

The cable is manufactured and tested according to following industry standards

Mode field diameter	IEC 60793-1-45
Mode field core/clad concentricity	IEC 60793-1-20
Cladding Diameter	IEC 60793-1-20
Cladding non circularity	IEC 60793-1-20
Attenuation Coefficient	IEC 60793-1-40
Chromatic dispersion	IEC 60793-1-42
Cable cut-off wavelength	IEC 60793-1-44
Tensile Loading Test	IEC 60794-1-2 E1
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Crush Test	IEC 60794-1-2 E3
Impact Resistance Test	IEC 60794-1-2 E4
Repeated Pending test	IEC 60794-1-2 E6
Torsion/Twist Test	IEC 60794-1-2 E7
Temperature Cycling Test	IEC 60794-1-2 F1
Water Penetration Test	IEC 60794-1-2 F5B

Ordering Information

Description	Loose Tubes	Art. Number
PAMIX ADSS-25 Fiber cable 144 cores, SM G.652 d, single jacket, aramid yarn, FRP	12	1012049

* Other Cable construction can be customized to meet customer needs.