

Fiber type		TU-TG.652D			
Fiber quantity (cores)		6	12	24	48
Loose tube	Material	PBT			
	Water- blocking	Fiber gel			
	Quantity(ea)	1	1	2	4
Filler	Quantity(ea)	5	5	4	2
	Material	PP			
Central Strength member		FRP			
Water blocking material		Water blocking yarn & tape			
Ripcord		1 / Red			
Strength member		Aramid yarn			
Jacket Material		HDPE			
Dimension of cable (mm)		9.0± 0.5mm			
Net weight ( kg/km)		73±15kg			
MAT (N)		2000			2500
Span (Meter)		120			
Installation sag		1.0%			
Weather condition		25m/s, zero ice			

Fiber/Tube Identification											
1	2	3	4	5		7	8	9	10	11	12

The Single core optical fiber color is natural

## Performance parameters of fiber optic core Single Mode Fiber

ITEMS	UNITS	SPECIFICATION
Fiber type		G652D
Attenuation	dB/km	1310nm ≤ 0.36 1383nm ≤ 0.35 1550nm ≤ 0.22
Chromatic Dispersion	ps/nm.km	1310nm ≤ 3.5 1550nm ≤ 18 1625nm ≤ 22
Zero Dispersion Slope	ps/nm <sup>2</sup> .km	≤ 0.092
Zero Dispersion Wavelength	nm	1300 ~ 1324
Cut-off Wavelength ( cc)	nm	≤ 1260
Attenuation vs. Bending (60mm x100turns)	dB	(30mm radius100ring) ≤ 0.1 @ 1625nm
Mode Field Diameter	μm	9.2±0.4μm at 1310nm
Core-Clad Concentricity	μm	≤ 0.5
Cladding Diameter	μm	125±0.7
Cladding Non-circularity	%	≤ 0.8
Coating Diameter	μm	245±5



# ADSS-09G652XXX-SJ120

ADSS Optic Cable G652 9/125  
Single Jacket/ 120 mt Span

## Mechanical and Environmental Performance of the Cable

NO.	ITEMS	TEST METHOD	ACCEPTANCE CRITERIA
1	Tensile Loading Test	#Test method: IEC 60794-1-E1 -. Long-tensile load : 0.5*MAT -. Short-tensile load : MAT -. Cable length : ≥50m	-. Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
2	2 Crush Resistance Test	#Test method: IEC 60794-1-E3 -.Long load : 1100 N/100mm -.Short load : 2200 N/100mm Load time : 1 minutes	-. Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
3	Impact Resistance Test	#Test method: IEC 60794-1-E4 -.Impact height: 1m -.Impact weight : 450g -.Impact point : ≥5 -.Impact frequency : ≥3/point	-. Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
4	Repeated Bending	#Test method: IEC 60794-1-E6 -.Mandrel diameter : 20D (D = cable diameter) -.Subject weight : 15kg -.Bending frequency : 30 times -.Bending speed : 2s/time	-. Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
5	Torsion Test	#Test method: IEC 60794-1-E7 -.Length : 1m -.Subject weight:15kg -.Angle : ±180 degree -.Frequency : ≥10/point	-. Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
6	Water Penetration Test	#Test method: IEC 60794-1-F5B -.Height of pressure head : 1m -.Length of specimen : 3m -.Test time: 24 hours	No leakage through the open cable end
7	Temperature Cycling Test	#Test method: IEC 60794-1-F1 -.Temperature steps : +20 , -40 , +70 , +20 -.Testing Time : 24 hours/step -.Cycle index : 2	-. Attenuation increment@1550nm:≤0.1dB -. No jacket cracking and fiber breakage
8	Drop Performance	#Test method: IEC 60794-1-E14 -.Testing length : 30cm -.Temperature range : 70±2 -.Testing Time : 24 hours	No filling compound drop out



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ADSS Optic Cable G652 9/125  
Single Jacket/ 120 mt Span

## PACKAGE

Packing length, 4km/plywood reel, the other length packed available. Packing material, cable on drum wrapped by protective foil, wooden reel as usual package.

## ORDERING INFORMATION

ADSS-09G652006-SJ120	06 FO
ADSS-09G652012-SJ120	12 FO
ADSS-09G652024-SJ120	24 FO
ADSS-09G652048-SJ120	48 FO

## APPLICATIONS

FTTH access network / Telecommunication Networks / CATV Networks / Data communications Networks / Local Area Networks



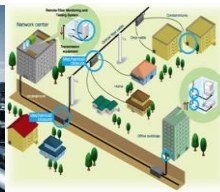
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FTTH



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