

Fiber type		TU-TG.652D				
Fiber quantity (cores)		4	8	12	24	48
Loose tube	Material	PBT				
	Water- blocking	Fiber gel				
	Quantity(ea)	1	2	2	4	4
Filler	Quantity(ea)	5	4	4	2	2
	Material	PP				
Central Strength member		FRP/PE				
Water blocking material		Water blocking yarn & tape				
Ripcord		1 / Red				
Strength member		Aramid yarn				
Jacket Material		PE				
Dimension of cable (mm)		9.0±0.5mm				
Net weight (kg/km)		73±5kg				
MAT (N)		1200				
Span (Meter)		80				
Installation sag		1.0%				
Weather condition		25m/s, zero ice				

Cable Fitting, Optic Cables, Optic Tools, Fiber Patch Panel, Fiber Protection, Fiber Cassette, Fiber Connectivity, Fiber Box

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

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 ² .km	≤ 0.092
Zero Dispersion Wavelength	nm	1300 ~ 1324
Cut-off Wavelength (cc)	nm	≤ 1260
Attenuation vs. Bending (60mm x100turns)	dB	(30mm radius 100ring) ≤ 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

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



ADSS-09G652XXX-SJ80

ADSS Optic Cable G652 9/125 –
Single Jacket/ 80 mt Span

Package

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

ORDERING INFORMATION

ADSS-09G652004-SJ80	04FO
ADSS-09G652006-SJ80	06FO
ADSS-09G652012-SJ80	12FO
ADSS-09G652024-SJ80	24FO
ADSS-09G652048-SJ80	48FO

Reviewed May 2022

APPLICATIONS

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



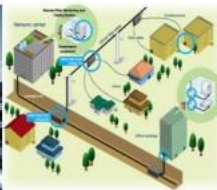
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FTTH



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