ASU Fiber Cable Mini ADSS 6 Core

Variants

8mm

Details

The **6 Core ASU Outdoor Optical Fiber Cable** is designed for aerial fiber optic network deployment, FTTH distribution, ISP backbone, telecom access networks, and outdoor communication infrastructure. It uses **G.652D single mode optical fiber** with FRP strength members, PBT loose tube, water blocking compound, aramid yarn, and durable black PE outer sheath.

With strong mechanical protection, low attenuation, and reliable outdoor performance, this ASU cable is suitable for **100M and 150M span applications** in telecom, ISP, enterprise, and utility fiber networks.

Fiber Count	**6 Core**
Fiber Type	

G.652D

Span

100M / 150M

Cable Diameter

9.0mm

Key Features

? 6 Core G.652D Single Mode Optical Fiber

? Suitable for 100M / 150M Aerial Span

? FRP Strength Member for Mechanical Stability

? PBT Loose Tube with Filling Compound

? Aramid Yarn Reinforcement

? Black PE Outer Sheath for Outdoor Protection

? Low Attenuation at 1310nm and 1550nm

? Reliable Outdoor Aerial Fiber Cable

Fiber Color Code

No.	Color	No.	Color

1	Blue	7	Red
2	Orange	8	Black
3	Green	9	Yellow
4	Brown	10	Violet
5	Grey	11	Pink
6	Natural	12	Aqua

ASU Structure & Specifications

Parameter	Specification
No. of Fibers	6
Fiber Type	G.652D
Span	100M / 150M
Strength Member	FRP, Diameter: 2.3mm × 2
Loose Tube	PBT, Diameter: 2.1mm
Water Blocking Layer	Filling Compound
Aramid Yarn	14 × 1670 Dtex
Outer Sheath	PE, Black
Cable Diameter	9.0mm ±0.2mm

Parameter	Specification
Attenuation @1310nm	? 0.35 dB/km
Attenuation @1550nm	? 0.21 dB/km
Ice Thickness	10mm
Wind Speed	20 m/s
Crush Resistance	Short / Long: ?1000 / ?300 N/100mm
Min. Bending Radius	No Tension: 10× Cable Diameter / Max Tension: 20× Cable Diameter
Installation Temperature	-20°C to +60°C
Transport & Storage Temperature	-40°C to +70°C

Main Optical Fiber Specifications (G.652D)

Category	Description	Before Cable
Attenuation	@1310nm	?0.35 dB/km
Attenuation	@1383nm	?0.35 dB/km
Attenuation	@1550nm	?0.20 dB/km
Attenuation	@1625nm	?0.24 dB/km
Attenuation Discontinuity	-	?0.05 dB

Category	Description	Before Cable
Zero Dispersion Wavelength	-	1300–1324 nm
Zero Dispersion Slope	-	?0.092 ps/(nm²·km)
Dispersion	@1310nm / @1550nm	?3.5 / ?18 ps/nm·km
PMD	Polarization Mode Dispersion	?0.2 ps/?km
Cutoff Wavelength	?cc	?1260 nm

Geometrical & Mechanical Specifications

Parameter	Value
Mode Field Diameter @1310nm	9.2 ± 0.6 ?m
Mode Field Diameter @1550nm	10.4 ± 0.8 ?m
Cladding Diameter	125 ± 1 ?m
Cladding Non-Circularity	?1.0%
Coating Diameter	245 ± 7 ?m
Coating / Cladding Concentricity Error	?8 ?m
Core / Cladding Concentricity Error	?0.8 ?m

Parameter	Value
Proof Test Level	?1.0%
Fiber Curl Radius	?4.0 m
Peak Coating Strip Force	1.3 – 8.9 N

Packing & Marking

Standard Packing Length	5km per wooden drum
Packing Length Option	As per customer requirement
Drum Marking	As per customer requirement / standard drum marking

Applications:

FTTH Outdoor Network • ISP Access Network • Aerial Fiber Deployment • Telecom Distribution Network • Enterprise Fiber Backbone • Rural Broadband Network • Utility Fiber Communication

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