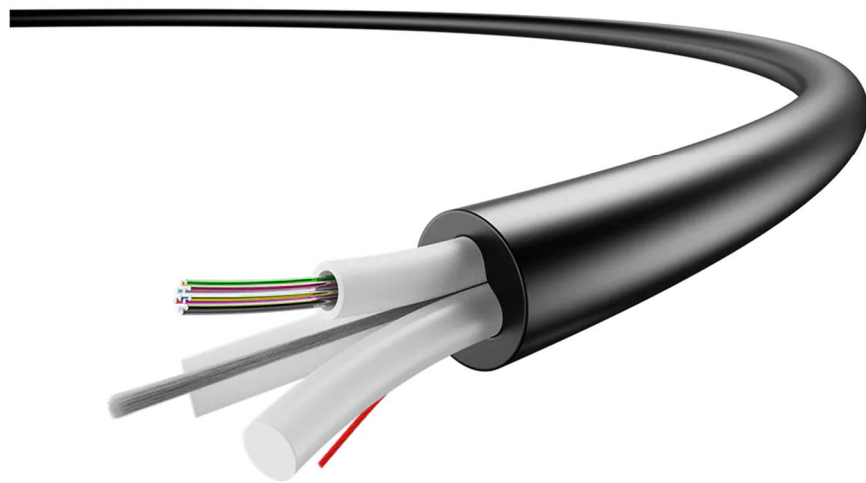


Optical Fiber CABLE

TECHNICAL DATA SHEET

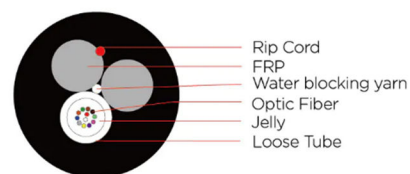
Multicom – MINI ADSS-ASU – Aerial Self-Supported ASU Fiber Optic Cable



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Product Description:

The MINI ADSS-ASU is an aerial self-supported, all-dielectric fiber optic cable designed for outdoor aerial and long-distance communication applications. It uses a loose-tube construction with water-resistant gel, water-blocking material, and two parallel FRP strength elements. A single PE outer sheath provides environmental protection.



Features

- All-dielectric, self-supported aerial cable construction.
- Compact and lightweight design for easy aerial installation.
- Two parallel FRP strength members provide mechanical strength.
- Loose-tube construction provides protection for the optical fibers.
- Water-resistant filling compound protects against moisture penetration.
- Water-blocking material provides additional moisture protection.
- PE outer sheath provides good mechanical and environmental protection.
- Good resistance to wind and ice loading due to the compact round cable design.
- Suitable for aerial and outdoor communication networks.
- Available in different fiber counts and span configurations.

Construction

Item	Specification
Cable Type	MINI ADSS-ASU
Construction	Aerial Self-Supported ASU
Optical Fiber	G.652D Single Mode
Fiber Count	1–12, 24 fibers
Loose Tube	Loose Tube
Loose Tube Material	High-modulus plastic / PBT
Filling Compound	Water-resistant gel compound
Water Blocking	Water-blocking material / yarn
Strength Members	2 × FRP
Outer Sheath	PE
Outer Sheath Color	Black
Cable Structure	Central loose tube with parallel FRP elements
Ripcord	Provided
Dielectric Construction	All-dielectric

Mechanical Specifications

Parameter	ASU-80	ASU-120
Cable Diameter	6.8 mm	7.8 mm
Loose Tube Diameter	2.0 mm	2.5 mm
Cable Weight	45 kg/km	60 kg/km
Tensile Strength – Long Term	300 N	300 N
Tensile Strength – Short Term	600 N	600 N
Crush Resistance – Long Term	300 N/100 mm	300 N/100 mm
Crush Resistance – Short Term	600 N/100 mm	600 N/100 mm
Minimum Bending Radius – Static	$10 \times D$	$10 \times D$
Minimum Bending Radius – Dynamic	$20 \times D$	$20 \times D$
Nominal Span	80 m	120 m

Optical Fiber Specifications

Parameter	G.652D
Fiber Type	Single Mode
Core Diameter	9 μm
Cladding Diameter	125 μm
Operating Wavelengths	1310 / 1550 nm
Typical Attenuation @1310 nm	≤ 0.35 dB/km
Typical Attenuation @1550 nm	≤ 0.21 dB/km
Cable Cut-off Wavelength	≤ 1260 nm

Temperature Range

Parameter	Specification
Operating Temperature	-40°C to +70°C
Installation Temperature	-20°C to +60°C
Storage & Shipping Temperature	-40°C to +70°C