DATASHEET

Fiber-to-the-Antenna (FTTA) Jumper Cables ›

Ideal for tower applications requiring rugged, durable construction and exceptional signal quality, Fiber-to-the-Antenna (FTTA) Jumper Cables utilize high-performance optical interfaces and armored cables designed to withstand harsh environments. Flexible construction and robust materials help ensure reliability and consistent signal integrity, minimizing maintenance costs and system downtime.

ADVANTAGES AND FEATURES

Ensures reliable operation
The rugged and durable design features stainless steel spiral armor cable to increase crush resistance and extend the product lifespan in outdoor environments and the harsh conditions found atop towers.

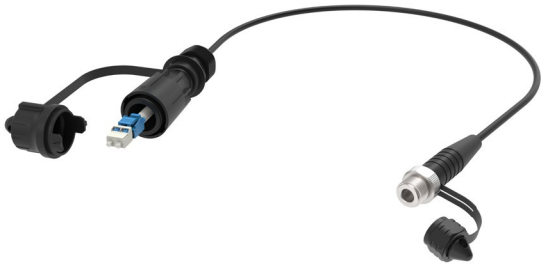
Enhances design flexibility
A variety of standard optical connector types are available, enabling seamless integration into existing infrastructure while minimizing inventory costs and simplifying design requirements.

Minimizes signal loss
Precision ferrules to improve alignment and low-loss OS2 fiber optimized to reduce attenuation help ensure superior signal quality.

Connectors	LC, SC, ODC, MPO
Wavelengths	1,310 or 1,550nm
Fiber Counts	1 to 48
Seal Rating	Up to IP67
Jumper Lengths	1 to 200m (other custom lengths available)
Operating Temperatures	-40 to +85°C

Simplifies installation
Preconfigured solutions minimize difficult setup and tool requirements, making installation easier.

Supports upgrades
The high-performance fiber optic cables offer scalable bandwidth capacity, preventing capacity constraints by enabling adaptation and future service improvements.



MARKETS AND APPLICATIONS

Telecommunications
AM/FM radio systems
Tower-based communications systems
Wireless telecommunications equipment

Wireless Infrastructure
Broadband fixed wireless access systems
Public-safety/land mobile radio devices

Tower-Based Communications Systems

Broadband Fixed Wireless Access Systems

Wireless Telecommunications Equipment

DATASHEET

Fiber-to-the-Antenna (FTTA) Jumper Cables ›

SPECIFICATIONS

Reference Information

Packaging: Bag
Designed in: Millimeters
RoHS: Yes
Low Halogen: Yes
Ingress Protection Rating: IP67
Connector Types: LC, SC, ODC, MPO
Fiber Counts: 1 to 48

Optical

Modes: Single-mode
(multi-mode solutions also available)
Wavelengths: 1,310 or 1,550nm
Signal Attenuation (max.): 0.4 dB/km @
1,310nm or 0.25 dB/km at 1,550nm
Return Loss (max.): -50 dB

Physical

Boot Type: Straight
Jacket: Polyvinyl chloride (PVC) or polyethylene (PE)
Cable Types: Ruggedized and armored
Fiber Core Diameter: 9µm
Cladding Diameter: 125µm
Loose Tube Diameter: 250µm
Tight Buffer Diameter: 900µm
Cable Outside Diameter: 5.0 to 10.0mm
Cable Lengths: 1 to 200m
(other custom lengths available)
Operating Temperatures: -40 to +85°C

Order No. 987652-8721 USA/0k/GF/2025.06