DATASHEET

Quasar OptiX Outside Plant Fiber-Optic Cable ›

Reinforced with armor, water-blocking layers and thick, robust jacketing, Quasar OptiX Outside Plant (OSP) Fiber-Optic Cables help resist mechanical damage and stop water ingression leading to cable failure—especially in harsh environments with extreme temperatures. These cables ensure reliable performance by protecting fibers from damage and signal degradation during installation and long-term use.

ADVANTAGES AND FEATURES

Minimum Bend Radius	Temperature Rating
INSTALLATION: 20 X D	INSTALLATION: -30 to + 60°C
OPERATION: 10 X D	OPERATING: -40 to + 70°C
TORSION: ± 180°	STORAGE: -40 to + 70°C

Provides visibility and durability for buried or aerial applications

The bright and durable long-lasting orange stripe makes the cable highly visible for easy identification even after prolonged exposure to sunlight, dirt or moisture.

Protects from water intrusion and signal loss

The five layers of protection act as barriers to water ingress and protect the cables from damage and signal loss due to water.

Speeds up termination and splicing processes

The red/white striped cords allow technicians to quickly and cleanly strip the cable jacket reducing installation and repair times. It minimizes the risk of damaging delicate fiber optics during preparation.

Helps reduce complexity during handling and installation

The simplified design of the cable lowers injury risk during cable opening and minimizing complicated handling steps.

Minimizes risk of fiber damage

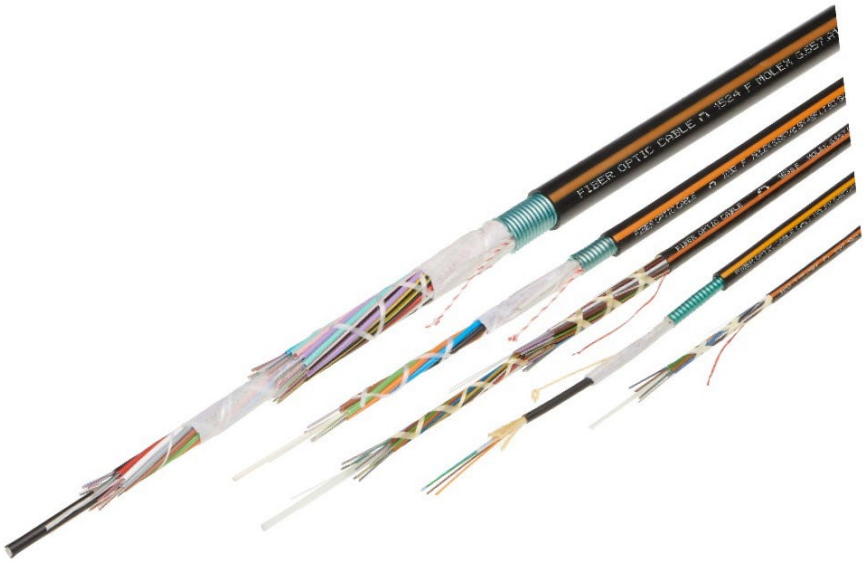
The bend-resistant cable design allows the cable to be routed through conduits, ducts, aerial spans and buried pathways making the cable highly versatile.

Enables reliable cable operation in temperatures from -40 to +70°C

The durable outer jacket and thermal-resistant materials prevent cracking, brittleness or deformation of the cables in extreme cold or heat, ensuring reliable performance outdoors.

Simplifies bending, routing and handling of individual fibers

The highly flexible buffer tubes reduce the chance of accidental fiber damage or misalignment during installation and splicing.



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MARKETS AND APPLICATIONS

Telecommunications

Aeriel broadband systems
Broadband service installations
Data center interconnects
Direct buried broadband services
Distributed access/remote PHY systems
FTTX architectures
Long-haul transport systems
Standard/macro-/micro-duct systems

Aerial Broadband Systems

Smart-Grid Systems

Wireless Backhaul Technologies

Networking

Campus networking infrastructures
DOT traffic management systems
Fiber-to-home devices
Security networks
Smart-grid systems
Surveillance networks

Wireless infrastructure

Radio-access network devices
Small-cell backhaul technologies
Wireless backhaul technologies

SPECIFICATIONS

Cable Meets or Exceeds Performance Specifications:

IEC 60793-1, IEC 60793-2, IEC 60794-3-10, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T

Cable Fiber Counts:

1 to 1,728 Fibers

Cable Jacket Options:

Dielectric, single jacket/single armor, double jacket/single armor, micro duct, extra thin micro duct, flat and flat armored

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