



new product

RiserLite® Central Loose Tube Fiber Optic Cable



Mohawk's RiserLite central loose tube fiber optic cable is a gel-filled loose tube design with dry-block technology. It offers the long-term/field-proven reliability of conventional polyethylene outdoor unitized designs, but without the need for a transition splice at the building entrance. The strength is achieved with fiberglass water-blocking dielectric strength elements helically applied over the central tube, thus ensuring a strain and stress-free installation. The overall cable is protected with a UV and flame-resistant black outer jacket. The jacket makes it suitable for dual installation environments, such as buried conduit in a campus backbone or in building backbones.



The indoor/outdoor central loose tube cable design offers a smaller overall dimension and ensures a more efficient use of conduit space than typical loose tube. The cable is listed to be compliant to National Electrical Code article 770 (OFNR/FT-4), allowing for the cable to be installed in building risers as well as outside plant.

The central tube minimizes the amount of labor and material required to install the cable. The number of breakout kits can be reduced by 50%. This reduction saves time, money and space.

RiserLite central tube cables are available in all the grades of multimode and single-mode fiber offered by Mohawk. Refer to the Multimode Fiber Grade Selector for application support information. RiserLite cables are also available in custom jacket colors as well as corrugated/interlocking armor.

For more information call 800-422-9961.



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Cabling Excellence for Open Architecture

Frequently asked questions about RiserLite® Central Tube Fiber Optic Cable

Why use RiserLite central tube instead of stranded loose tube or tight buffer?

The overwhelming majority of available historical data shows that loose tube products provide longer term reliability with much lower environmentally induced attenuation than tight buffered cables. Also, for fiber counts 12 and under, a central tube design has lower installed cost because of its cost per foot and its reduced preparation time for terminations when compared to stranded loose tube designs.

Are there other jacket colors besides black?

Mohawk offers black as the standard for all RiserLite central tube cables, which inherently offers the best in UV protection. Other colors are available as a special request and a minimum order quantity will apply. The addition of a UV stabilizer added to the base compound ensures the cable jacket will not degrade to sunlight exposure over time.

What is the difference between this design and the standard unitized versions?

As the name implies, there is only one large buffer tube in the center of the cable which encompasses the coated optical fibers. This tube is larger than standard loose tube cables to ensure the fibers do not experience any strain during installation and environmental extremes. Standard loose tube cables have many smaller buffer tubes and/or filler tubes cabled around a central epoxy glass rod member.

What UL listings apply to this product?

The RiserLite indoor/outdoor loose tube cables are available in riser-rated constructions (OFNR/OFCR). This allows for the removal of a transition point at the building entrance, saving time and money.

Is there a warranty?

The standard Mohawk warranties in place at the time of purchase apply. Mohawk offers extended warranties with its Mohawk Accredited Contractor Program (MAC) and System MATE® program.

Is it available in direct burial armored versions?

Mohawk offers its RiserLite central tube in fiber counts up to 12 as a standard, with options up to 24, and we can also apply a corrugated steel or interlocking aluminum armor for direct burial applications.

Are there any special termination or installation precautions with central tube design?

RiserLite central tube designs are installed and terminated with standard industry practices and methods. A breakout kit is typically utilized to build up the 250um colored fibers to an OD of 900um for easy termination to fiber connectors. As with all fiber optic cables, strict adherence to maximum installation tension and bending radius must be followed to ensure proper long term operation of the optical fiber and cable.

Will all loose tube products in the near future be gel free?

The use of gel in our current RiserLite central tube design is a technology which has proven to be very effective for long term reliability of the optical fibers encased within that gel. Newer technologies, such as dry water-blocking materials, enhanced coating application for bare fiber, and plastic extrusion enhancements, has allowed for the removal of gel from some or all loose tube cables. Mohawk currently manufactures a completely dry plenum-rated central tube called VersaLite®. This may be used if a completely dry product is required.

For additional product information, please contact your Inside Sales Representative at 800-422-9961.

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For product literature or samples, contact Denise Markert at 978-728-5233 or denise.markert@mohawk-cable.com.



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