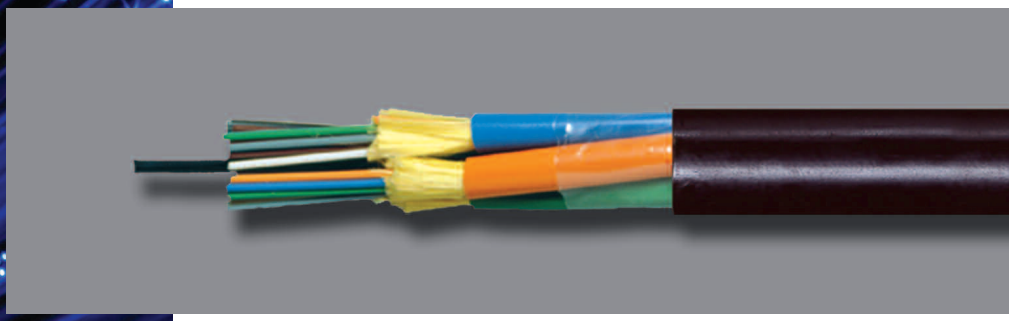
MOHAWK FIBER PRODUCTS

new product

VersaLite TBF™

Tight Buffer OFNR/OFNP Fiber Optic Cable



Mohawk's Indoor/Outdoor Tight Buffer fiber optic cable is a totally dry, water-blocked design. It offers all the conveniences of a tight buffer cable, with the environmental performance for outside plant installations. It utilizes UV resistant black jackets for superior protection against sunlight, and water-swellable strength members and barrier tapes for moisture protection. This cable complies with ICEA S-104-696 "Standard for Indoor-Outdoor Optical Fiber Cable".

The Indoor/Outdoor Tight Buffer cable is designed to eliminate the flooding gels typically used in outside plant designs. It decreases installation time by eliminating the need for breakout kits. It can be installed in a wet environment (e.g. a buried conduit in a campus backbone) and/or a plenum air return space. These cables are offered in plenum OFNP/FT-6 and riser OFNR/FT-4 constructions for a complete end-to-end solution without the need for a transition splice at the building entrance.

Mohawk's Indoor/Outdoor Tight Buffer cable is 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. Indoor/Outdoor Tight Buffer cables are also available in custom jacket colors as well as interlocking armor.

For more information call 800-422-9961.

RoHS

MOHAWK

Cabling Excellence for Open Architecture

Frequently Asked Questions about Indoor/Outdoor Tight Buffer Fiber Optic Cable

Why use indoor/outdoor tight buffer instead of loose tube?

Tight buffer cables are easier and faster to terminate than loose tube cables. No gel or filling compound to clean, and no breakout kits to install! Additionally, in relatively low fiber counts (less than 24), this can lead to a lower overall installed cost to prep and terminate than a loose tube cable.

Are there other jacket colors besides black?

Mohawk offers black as the standard for all indoor/outdoor tight buffer 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 due to sunlight exposure over time.

What standard or guideline covers tight buffer in outside applications?

The current indoor/outdoor guideline utilized in the industry is ICEA S-104-696, "Standard for Indoor-Outdoor Optical Fiber Cable". This is a relatively new industry standard which has helped to establish the requirements for tight buffer cable in the outdoor environment. Mohawk has tested its cables to ensure that the constructions will withstand the harsh environmental and mechanical conditions expected in outdoor fiber installations.

What UL listings apply to this product?

The Indoor/Outdoor Tight Buffer cables are available in riser (OFNR/OFCR), plenum (OFNP/OFCP) and LSZH (OFNR/OFCR) options.

Is there a warranty?

Yes. It appears that TIA-568-C.3 will recognize ICEA S-104-696 as the standard defining indoor/outdoor performance. All standard Mohawk warranties will cover this product line.

Is it available in interlock?

Mohawk offers its Indoor/Outdoor Tight Buffer cable in aluminum interlock armor. This product has inner and outer black jackets and is available in both riser and plenum, eliminating the need to run indoor innerduct. Interlock armored cables also comply with the test criteria as outlined in ICEA S-104-696.

What is the difference between this and standard tight buffer products?

Mohawk's Indoor/Outdoor Tight Buffer products are standard 900um buffered fiber cables, but that's where the similarities end. These new products are fully water-blocked against axial water migration with water-swellable aramid yarns and water-swellable barrier tapes. The overall jacket is flame-retardant black UV and weather resistant. A distinct advantage is that these cables have been tested to operate down to -40°C. Because this cable is tight buffer, there is no need for breakout kits. Standard fiber optic connectors, such as Mohawk's Optimax line, can be directly terminated, saving time and money.

Will loose tube products go away?

The overwhelming majority of available historical data shows that loose tube products provide longer term reliability with much lower environmentally induced attenuation than tight buffer cables. Also, for larger count cables, the installation cost favors loose tube cables. Because of these reasons we do not anticipate standard loose tube products going away. Instead, tight buffer products will complement Mohawk's current loose tube products, offering greater flexibility when choosing the right product for the individual application.

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

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

For technical support, contact Jamie Silva at 978-728-5291 or jamie.silva@mohawk-cable.com.

RoHS

MOHAWK
Cabling Excellence for Open Architecture

9 Mohawk Drive, Leominster, MA 01453
(978) 537-9961 • 1-800-422-9961 • FAX (978) 537-4358
info@mohawk-cable.com • www.mohawk-cable.com