144 Fiber / SM-A1 / Dry Block / Indoor/Outdoor/Sunlight Resistant / Tight Buffer / OFNR / Multi-Unit / Black

OFNR

Part Number: W3144K101
Status: Made-to-Order
Returnable: Non-Returnable
Minimum Order Quantity: 3300

MADE IN THE USA

GENERAL SPECIFICATIONS

Configuration	Multi-Unit
Jacket	Flame retardant, chemical and sunlight resistant black PVC
Jacket Color	Black
Cable Configuration	Multi-Unit
End User Application	Enterprise, Interbuilding
Environment	Indoor/Outdoor
Standards Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 Telcordia® GR-20-CORE, Issue 3 – Water Penetration ANSI/ICEA S-104-696-2001 ANSI/TIA-568.3-D RoHS-compliant/RoHS 2-compliant REACH-compliant
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed Sunlight Resistant

FIBER SPECIFICATIONS

Fiber Type	SM-A1
Multi-Unit Configuration	Dry water-blocked 12-fiber sub-units are grouped to form cable core; core consists of sub-units cabled with additional strength members and water-blocking elements
Fibers	144
Strength Element	Glass Reinforced Plastic (GRP)
Fiber Buffer Type	900 micron
TeraFlex® Bend Resistant	G.657.A1
Typical Attenuation (dB/km)	0.32/0.18 (1310nm/1550nm)
Max Attenuation (dB/km)	0.5/0.5 (1310nm/1550nm)

ENVIRONMENTAL SPECIFICATIONS

Operating Temp. Range	-40°C to +75°C
Storage/Shipping Temp. Range	-40°C to +75°C
Installation Temp. Range	-20°C to +65°C

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	1.11 (28.3)
Nominal Weight lbs/kft (kg/km)	375 (559)
Max. Tensile Loading Install lbs (N)	600 (2700)
Max. Tensile Loading Long Term lbs (N)	180 (800)
Min. Bend Radius Install in (mm)	45.2 (1148)
Min. Bend Radius Long Term in (mm)	22.6 (574)

Product Description

The Superior Essex Dry Block, Sunlight Resistant Indoor/Outdoor Plenum cable is designed to survive the toughest installation and environmental conditions. Not only does the cable exceed the rigorous Indoor/Outdoor plenum cable performance requirements of ICEA 696, but its thermoplastic jacket makes it resistant to sunlight. The cable core consists of 2 through 24 fibers for the single unit, and 48 through 144 fibers for a multi-unit design. GRP and aramid yarn dielectric strength elements give the cable both strength and flexibility and the core is fully water-resistant using SAP dry block technology. The cable is available in TeraFlex® Bend Resistant optical fiber types, including both single mode, 62.5, and OM3, OM4, OM5 multimode fiber.

Applications

- Intra/inter-building backbones
- Conduit/duct/tray pathways
- Dry or wet locations

Features

- 3rd Party Verified EPD
- 900 micron tight buffered optical fibers
- Full water blocking with SAP Dry Block
- Plenum grade PVC whose color matches the fiber type

Benefits

- Eligible to contribute towards LEED
- Allows for either fusion or mechanical connectors
- Prevents water ingress from OSP splice enclosures
- Sunlight resistant

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- Meets or exceeds ANSI/ICEA S-104-696-2001
- Plenum (OFNP) rated designs
- Available in both single mode and multimode TeraFlex® Bend Resistant fiber types
- BrakeBox® payout control system for 2 to 12 fiber counts
- Water and fungus-resistant jacket
- Worry-free installation and performance
- Plenum listing allows for cable placement in both plenum and riser spaces
- Choose the fiber needed for long distance, short-haul FTTx and data center applications
- Adjustable tension control on reel prevents over spin and entangling of cable

CAUTIONARY INFORMATION

Ensure conduits are dry and seal end of cable prior to installation in underground conduit. See TG 114 Installation for more information.

SUSTAINABILITY CERTIFICATIONS

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