24 Fiber / SM-A1 / Indoor/Outdoor / Tight Buffer / OFNR / Single Unit / Black

OFNP

Part Number: W4024KK01
Status: Made-to-Order
Returnable: Non-Returnable
Minimum Order Quantity: 6600

MADE IN THE USA RoHS REACH

GENERAL SPECIFICATIONS

Configuration	Single Unit
Jacket	Sunlight resistant plenum grade black PVC
Jacket Color	Black
Cable Configuration	Single Unit
Environment	Indoor/Outdoor
Water-Blocking	SAP Dry Block
Subunit Jacket	Plenum grade PVC whose color matches the fiber type
Standards Compliance	UL 1651 CSA C22.2 No. 232 NFPA 130 NFPA 262 ANSI/ICEA S-104-696-2001 ANSI/TIA-568.3-D
NRTL Programs	UL, c(UL) Listed OFNP UL, c(UL) Listed Sunlight Resistant
Sustainability	3rd party verified EPD

FIBER SPECIFICATIONS

Fiber Type	SM-A1
Single Unit Configuration	2 to 24 optical fibers surrounded by dielectric strength elements with an overall jacket
Fiber Count	24
Dielectric Strength Elements	Glass Reinforced Plastic (GRP) and aramid yarns
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 +70°C
Storage/Shipping Temp. Range	-40°C to +70°C
Installation Temp. Range	0°C to +60°C

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.39 (10.0)
Nominal Weight lbs/kft (kg/km)	109 (62)
Max. Tensile Loading Install lbs (N)	600 (2,700)
Max. Tensile Loading Long Term lbs (N)	180 (800)
Min. Bend Radius Install in (mm)	5.9 (145)
Min. Bend Radius Long Term in (mm)	3.9 (96)
Package Type	Plywood

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
- Tough, thermoplastic jacket
- Meets or exceeds ANSI/ICEA S-104-696-2001

Benefits

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

- 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
- 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
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Technical Guideline

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