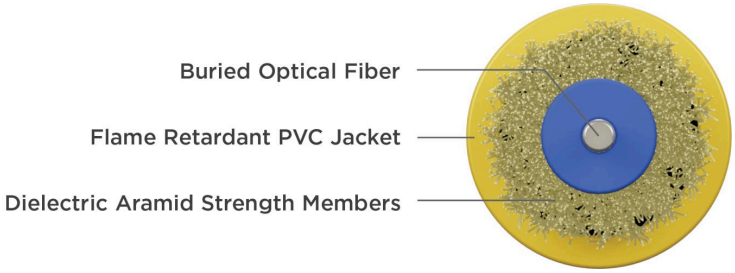
Premises Fiber Optics > Indoor > Tight Buffer > Interconnect > 1 Fiber

Round / 1 Fiber / SM-A1 / 3.0 mm / Round / Tight Buffer / OFNR / Single Unit / Yellow

OFNR

Part Number: 33001K101
Status: Made-to-Order
Returnable: Returnable
Minimum Order Quantity: 6600



MADE IN THE USA

RoHS

GENERAL SPECIFICATIONS

Configuration	Single Unit
Cable Configuration	Flexible tight buffered optical fibers surrounded by aramid yarns and covered by a flame retardant jacket
Jacket	PVC
Fiber Buffer Type	900 µm
Subunit Diameter (mm)	3.0
Fiber Technology	TeraFlex® Bend Resistant
Fiber Specification	G.657.A1
Bend Insensitive	Yes

COMPLIANCE & SUSTAINABILITY

Standards Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia® GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568.3-D RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFNR

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.11 (2.9)
Nominal Weight lbs/kft (kg/km)	6 (8)
Max. Tensile Loading Install lbs (N)	50 (220)
Max. Tensile Loading Long Term lbs (N)	15 (70)
Min. Bend Radius Install in (mm)	1.7 (44)
Min. Bend Radius Long Term in (mm)	1.1 (29)
Package Type	Wood Reel
Operating Temp. Range	-40°F to +167°F (-40°C to +75°C)
Storage/Shipping Temp. Range	-40°F to +167°F (-40°C to +75°C)
Installation Temp. Range	-4°F to +149°F (-20°C to +65°C)

Product Description

Round Optical Fiber Interconnect Cables are typically used for patch cords, equipment connections and intrabuilding installations where a compact, flexible and durable cable design is required. Superior Essex designed these cables for environments requiring small diameter constructions, ease of routing and flame resistance. These cables are available in both riser and plenum versions. Higher performance optical fibers are offered, including bend insensitive G.657.A1 single mode and laser optimized 50 µm multimode fibers, including 10G/300 OM3 and 10G/550 OM4. The design consists of 900 µm tight buffered optical fibers surrounded by dielectric aramid yarn strength members and enclosed within a flame retardant jacket to create a durable round construction. Appropriate materials are used to achieve an OFNR (riser) or OFNP (plenum) rating. Standard 2.9 mm and small form factor 2.0 mm cable diameters are available for simplex, duplex and quad configurations. Part number 33001K101 is the riser-rated (OFNR) yellow version: a 1-fiber OS2 G.657.A1 single mode single-unit interconnect cable with 900 µm tight buffer fibers, TeraFlex® Bend Resistant fiber and a PVC jacket. Nominal diameter is 0.11 (2.9) in (mm), supplied on a wood reel.

Applications

- Cross-connect and patch cord applications
- Communication closets to telecommunications outlets
- Equipment interconnections
- Workstation connections
- Intrabuilding installations

Features

- UL Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)

Benefits

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRc

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- Simplex and duplex zip cord designs in 2 mm and 2.9 mm diameters
- Round, duplex and quad designs
- Marked in feet and meters
- BrakeBox® payout control system
- Meets all the requirements for both standard and small form factor connectors for “in-front-of-the-shelf” applications
- Perfect for in-wall and “behind-the-shelf” applications
- Meets commercial, government and international requirements for length markings
- Adjustable tension control on reel prevents over spin and entangling of cable

Technical Guideline

Technical Guideline TG099 "Optical Fiber Specifications" provides detailed optical fiber performance specifications, including attenuation, dispersion, supportable Ethernet distances, and standards compliance. Click here for more information.

SUSTAINABILITY CERTIFICATIONS

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