

NETVEL®

OPTICAL FIBER SOLUTION



OPTICAL CABLE & CABLE ASSEMBLY



MULTI LOOSE TUBE CABLE

Description	Part Number MM 62.5 µm	Part Number MM 50 µm (OM2)	Part Number MM 50 µm (OM3 550+/ OM4)	Part Number SM 9 µm
Direct Burial Fiber Optic Cable, 4 Core	NVL-DB-MM1-004	NVL-DB-MM2-004	-	NVL-DB-SM1-004
Direct Burial Fiber Optic Cable, 6 Core	-	NVL-DB-MM2-006	-	NVL-DB-SM1-006
Direct Burial Fiber Optic Cable, 8 Core	NVL-DB-MM1-008	NVL-DB-MM2-008	-	NVL-DB-SM1-008
Direct Burial Fiber Optic Cable, 12 Core	-	NVL-DB-MM2-012	-	NVL-DB-SM1-012
Direct Burial Fiber Optic Cable, 24 Core	-	NVL-DB-MM2-024	-	NVL-DB-SM1-024
Direct Burial Fiber Optic Cable, 48 Core	-	NVL-DB-MM2-048	-	NVL-DB-SM1-048
Universal Duct Fiber Optic Cable, 4 Core	NVL-UD-MM1-004	NVL-UD-MM2-004	-	NVL-UD-SM1-004
Universal Duct Fiber Optic Cable, 6 Core	-	NVL-UD-MM2-006	NVL-UD-MM3-006	NVL-UD-SM1-006
Universal Duct Fiber Optic Cable, 12 Core	-	NVL-UD-MM2-012	NVL-UD-MM3-012	NVL-UD-SM1-012
Universal Duct Fiber Optic Cable, 24 Core	-	NVL-UD-MM2-024	-	NVL-UD-SM1-024

* Number of Fiber and other Jacketing Construction options are available upon request
 * List above are our routine stock

FIBER OPTIC INDOOR CABLE

Description

Part Number
MM 50 µm (OM2)

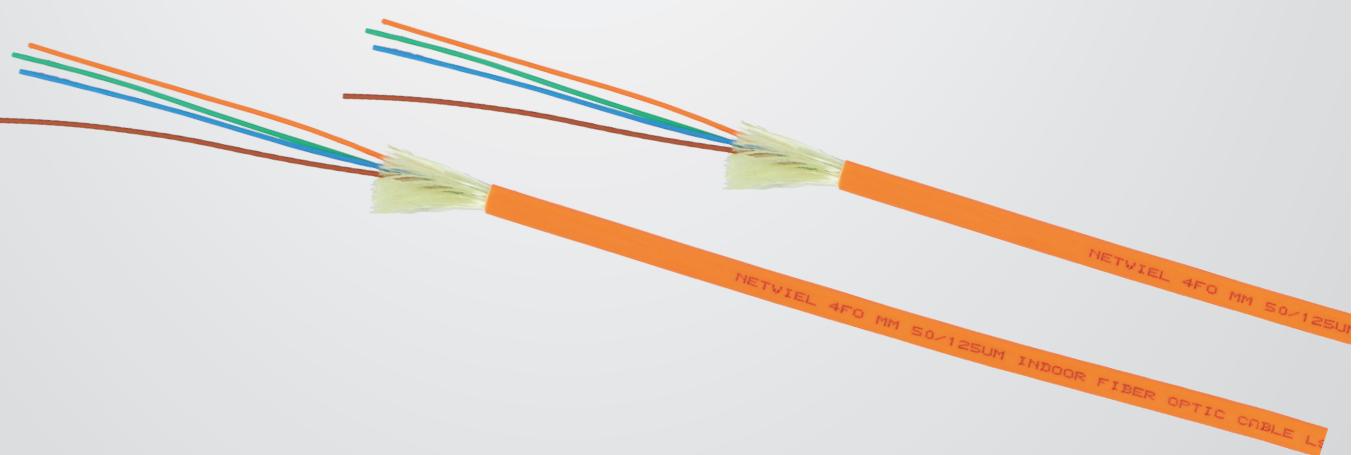
Indoor Thight Buffer LSOH, 4 core

NVL-IN-MM2-004-LSOH

FEATURES/ BENEFITS



- Thight Buffer at each core
- Suitable for access and indoor application only
- Low smoke zero halogen jacketing material for safety reasons (standard for oil and gas companies and building application)
- Most common and widely used design
- Complies with international (ANSI, IEEE, Belcore/Telcordia, TIA/AIA, ISO/IEC and STEL-K)
- Neon coating™ fiber core coloring technology



FEATURES/ BENEFITS

-
- Fiber Count up to 144
 - Strain free fibers in a stranded multi loose tube design
 - SZ stranding design allows for easy mid-span access and isolate fibers from installation and environmental rigors
 - Most common and widely used design
 - Complies with international (ANSI, IEEE, Belcore/Telcordia, TIA/AIA, ISO/IEC and STEL-K)
 - Suitable for access and long distance applications
 - Neon coating™ fiber core coloring technology

FULL RANGE OF FIBER TYPE



- G. 652 (Singlemode Fiber)
- G. 655 (NZD Fiber for DWDM application)
- G. 651 (Multimode Fiber)



FIBER OPTIC PATCH CORD

Description	Part Number MM 62.5 µm (OM1)	Part Number MM 50 µm (OM2)	Part Number MM 50 µm (OM3)	Part Number SM 9 µm
Duplex, ST to ST, 1/2/3/5 m	NVL-DPMM1-ST-ST-00X	NVL-DPMM2-ST-ST-00X	NVL-DPMM3-ST-ST-00X	NVL-DPSM1-ST-ST-00X
Duplex, ST to SC, 1/2/3/5 m	NVL-DPMM1-ST-SC-00X	NVL-DPMM2-ST-SC-00X	NVL-DPMM3-ST-SC-00X	NVL-DPSM1-ST-SC-00X
Duplex, ST to LC, 1/2/3/5 m	NVL-DPMM1-ST-LC-00X	NVL-DPMM2-ST-LC-00X	NVL-DPMM3-ST-LC-00X	NVL-DPSM1-ST-LC-00X
Duplex, ST to FC, 1/2/3/5 m	NVL-DPMM1-ST-FC-00X	NVL-DPMM2-ST-FC-00X	NVL-DPMM3-ST-FC-00X	NVL-DPSM1-ST-FC-00X
Duplex, SC to SC, 1/2/3/5 m	NVL-DPMM1-SC-SC-00X	NVL-DPMM2-SC-SC-00X	NVL-DPMM3-SC-SC-00X	NVL-DPSM1-SC-SC-00X
Duplex, SC to LC, 1/2/3/5 m	NVL-DPMM1-SC-LC-00X	NVL-DPMM2-SC-LC-00X	NVL-DPMM3-SC-LC-00X	NVL-DPSM1-SC-LC-00X
Duplex, SC to FC, 1/2/3/5 m	NVL-DPMM1-SC-FC-00X	NVL-DPMM2-SC-FC-00X	NVL-DPMM3-SC-FC-00X	NVL-DPSM1-SC-FC-00X
Duplex, LC to LC, 1/2/3/5 m	NVL-DPMM1-LC-LC-00X	NVL-DPMM2-LC-LC-00X	NVL-DPMM3-LC-LC-00X	NVL-DPSM1-LC-LC-00X
Duplex, LC to FC, 1/2/3/5 m	NVL-DPMM1-LC-FC-00X	NVL-DPMM2-LC-FC-00X	NVL-DPMM3-LC-FC-00X	NVL-DPSM1-LC-FC-00X
Duplex, FC to FC, 1/2/3/5 m	NVL-DPMM1-FC-FC-00X	NVL-DPMM2-FC-FC-00X	NVL-DPMM3-FC-FC-00X	NVL-DPSM1-FC-FC-00X

* Custom length are available upon request

* MTRJ type of patch cord are available upon request

FEATURES/ BENEFITS



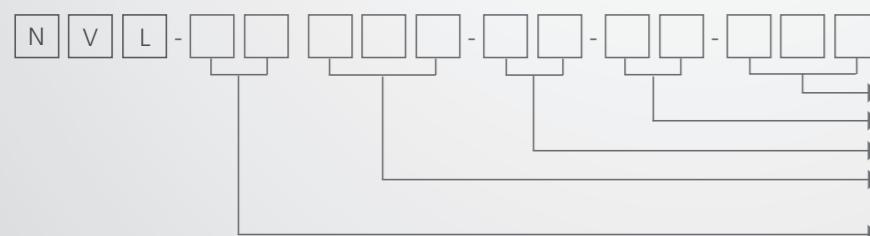
- Outer Sheath LSOH
- Simplex or Duplex Cable
- Differentiated by color coded
- PC or *APC Polish are available (*FC & SC SM only)
- Complies with Telcordia GR-326-CORE, UL, and RoHS standard
- Neon coating™ fiber core coloring technology

FULL RANGE OF FIBER TYPE

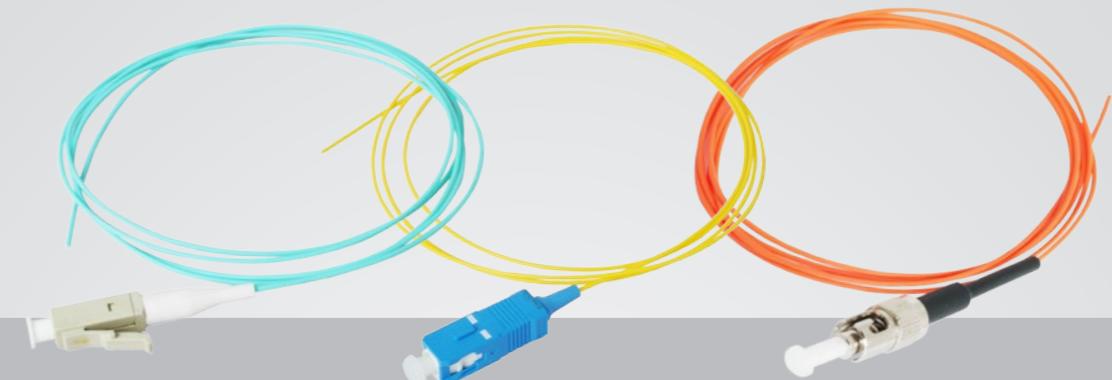


- Telecom Network
- Ethernet Network

Ordering Information



Cable Length in Meter; 001: 1m/ 002: 2m
 Connector Type on Second End: ST/ SC/ LC/ FC
 Connector Type on Grip End: ST/ SC/ LC/ FC
 Fiber Type: MM1: 62.5 µm/ MM2: 50 µm/ MM3: 50 µm (OM3)
 SM1: 9 µm (G.652)
 Zipcord Type: DP: Duplex/ SP: Simplex



FIBER OPTIC PIGTAIL

Description	Part Number MM 62.5 µm (OM1)	Part Number MM 50 µm (OM2)	Part Number MM 50 µm (OM3)	Part Number SM 9 µm
Simplex ST, 1/2 m	NVL-PTMM1-ST-0X	NVL-PTMM2-ST-0X	NVL-PTMM3-ST-0X	NVL-PTSM1-ST-0X
Simplex SC, 1/2 m	NVL-PTMM1-SC-0X	NVL-PTMM2-SC-0X	NVL-PTMM3-SC-0X	NVL-PTSM1-SC-0X
Simplex LC, 1/2 m	NVL-PTMM1-LC-0X	NVL-PTMM2-LC-0X	NVL-PTMM3-LC-0X	NVL-PTSM1-LC-0X
Simplex FC, 1/2 m	NVL-PTMM1-FC-0X	NVL-PTMM2-FC-0X	NVL-PTMM3-FC-0X	NVL-PTSM1-FC-0X

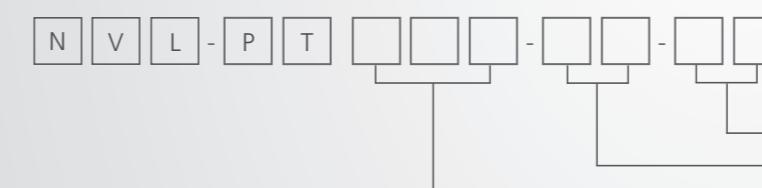
* Custom length are available upon request

* MTRJ type of pigtails are available upon request

* SM G655D Fibercore types are also available

- Neon coating™ fiber core coloring technology

Ordering Information



Cable Length in Meter; 001: 1m/ 002: 2m
 Connector Type: ST/ SC/ LC/ FC
 Fiber Type: MM1: 62.5 µm/ MM2: 50 µm/ MM3: 50 µm (OM3)
 SM1: 9 µm (G.652)

ENCLOSURE & JOINT CLOSURE

RACKMOUNTED ENCLOSURE

Description

Rackmount Closure Fits Up to 24 Ports (unloaded)

Dimension
(H x W x D)mm
44 (1u) x 432 x 300

Part Number

NVL - OTB-RM-24

PRODUCT FACTS



- Rugged Case with High Security
- Fix Style Rackmounted and Fits in Standard 19" Rack
- Two positions adjustable bracket mounting
- Detachable acrylic front cover
- Accepts 2 Snap-in Adapter Plate
- 24 Ports Fiber Maximum Capacity (36 port max for LC only)
- Initial installation kit are included
- Snap-In Adapter Plate and Couplers provide separately



Rackmount Closure Fits Up to 48 Ports (unloaded)

89 (2u) x 432 x 300

PRODUCT FACTS



- Rugged Case with High Security
- Fix Style Rackmounted and Fits in Standard 19" Rack
- Two positions adjustable bracket mounting
- Detachable acrylic front cover
- Accepts 4 Snap-in Adapter Plate
- 48 Ports Fiber Maximum Capacity (72 port max for LC only)
- Initial installation kit are included
- Snap-In Adapter Plate and Couplers provide separately



Rackmount Closure Fits Up to 96 Ports (unloaded)

155,5 (3,5u) x 432 x 300

PRODUCT FACTS



- Rugged Case with High Security
- Fix Style Rackmounted and Fits in Standard 19" Rack
- Two positions adjustable bracket mounting
- Detachable acrylic front cover
- Accepts 8 Snap-in Adapter Plate
- 96 Ports Fiber Maximum Capacity (144 port max for LC only)
- Initial installation kit are included
- Snap-In Adapter Plate and Couplers provide separately



FEATURES/ BENEFITS



- Compact Design
- Easy Installation and Maintenance
- Designed for intra-building, Data Center or campus backbone distribution



Part Number

NVL-OTB-RM-48

FEATURES/ BENEFITS



- Compact Design
- Easy Installation and Maintenance
- Designed for intra-building, Data Center or campus backbone distribution



Part Number

NVL - OTB-RM-96

WALLMOUNTED CLOSURE

Description

Wallmounted Closure Fits Up to 24 Ports (unloaded)

Dimension
(H x W)mm
225 X 270 X 75

Part Number

NVL - OTB-WM-24

PRODUCT FACTS



- Rugged Case with High Security
- Wall Mounted Style
- Lock & key included
- Accepts two Snap-in Adapter Plate
- 24 Ports Fiber Maximum Capacity (36 ports max for LC only)
- Initial installation kit are included
- Snap-In Adapter Plate and Couplers provide separately



FEATURES/ BENEFITS



- Compact Design
- Easy Installation and Maintenance
- Designed for intra-building, Data Center or campus backbone distribution



MINIBOX™ CLOSURE

Description

Minibox™ Closure Fits Up to 12 Ports (unloaded)

Dimension
(H x W x D)mm
250 X 175 X 55

Part Number

NVL - OTB-MB-12

PRODUCT FACTS



- Rugged Case with High Security
- Wall Mounted Style
- Detachable acrylic cover
- Accepts one Snap-in Adapter Plate
- 12 Ports Fiber Maximum Capacity (18 ports max for LC only)
- Initial installation kit are included
- Snap-In Adapter Plate and Couplers provide separately



FEATURES/ BENEFITS



- Compact Design
- Easy Installation and Maintenance
- Designed for intra-building, Data Center or campus backbone distribution



SNAP-IN ADAPTER PLATE

Description	Dimension (H x W)mm	Part Number
Snap-In Adapter Fits Up to 12 Ports Simplex ST Couplers	31 x 170	NVL-SIA-ST-12
Snap-In Adapter Fits Up to 6 Ports Duplex SC Couplers	31 x 170	NVL-SIA-SC-06
Snap-In Adapter Fits Up to 12 Ports Simplex FC Couplers	31 x 170	NVL-SIA-FC-12
Snap-In Adapter Fits Up to 6 Ports Duplex LC Couplers	31 x 170	NVL-SIA-LC-06
Snap-In Adapter Fits Up to 9 Ports Duplex LC Couplers	31 x 170	NVL-SIA-LC-18
Snap-In Adapter Blank Plate	31 x 170	NVL-SIA-BL



Rugged Plate with High Security Fits in Rackmount, Wallmount or MiniBox™ NETVIEL® Fiber Optic Enclosure only. Accepts six Duplex SC/LC Fiber Couplers or twelve Simplex ST/FC Fiber Couplers or nine Duplex LC Coupler Suitable for Multimode or Singlemode Fiber Couplers, Fiber Couplers are provide separately.

* Snap-lock provided

JOINT ENCLOSURE

Description	Height (mm)	Width/ *Diameter (mm)	Length (mm)	Part Number
OPGW Vertical Dome Joint Closure	470	*200	-	NVL-OPGW-VDJC



PRODUCT FACTS

- Standard Weather Proof
- **Waterproof
- Excellent capability to withstand earthquake, pressure, stretch, strong and durable.
- Excellent capability to adapt to natural conditions
- It can be operate smoothly in varying temperatures from -40°C ~ +65°C,
- ** -40°C ~ +80°C.
- Sealing performance: The splice case and sealing packing
- Can be opened and reused for more than 100 times

APPLICATIONS

- Telecom Network
- Ethernet Network



** Optional features

JOINT ENCLOSURE

Description	Height (mm)	Width/ *Diameter (mm)	Length (mm)	Part Number
Vertical Dome Joint Closure, fits up to 48 Cores	390	*130	-	NVL-VDJC



** Optional features

PRODUCT FACTS

- Standard Weather Proof
- **Waterproof
- Excellent capability to withstand earthquake, pressure, stretch, strong and durable.
- Excellent capability to adapt to natural conditions
- It can be operate smoothly in varying temperatures from -40°C ~ +65°C,
- ** -40°C ~ +80°C.
- Sealing performance: The splice case and sealing packing
- Can be opened and reused for more than 100 times

APPLICATIONS

- Telecom Network
- Ethernet Network



JOINT ENCLOSURE

Description	Height (mm)	Width/ *Diameter (mm)	Length (mm)	Part Number
Horizontal Inline Joint Closure, fits up to 48 Cores	400	185	90	NVL-HIJC
Horizontal Inline Joint Closure, fits up to 48 Cores**	410	200	120	NVL-HIJC-WP



** Optional features

PRODUCT FACTS

- Standard Weather Proof
- **Waterproof
- Excellent capability to withstand earthquake, pressure, stretch, strong and durable.
- Excellent capability to adapt to natural conditions
- It can be operate smoothly in varying temperatures from -40°C ~ +65°C,
- ** -40°C ~ +80°C.
- Sealing performance: The splice case and sealing packing
- Can be opened and reused for more than 100 times

APPLICATIONS

- Telecom Network
- Ethernet Network



ADAPTER COUPLER, CONNECTOR & ATTENUATOR

FIBER OPTIC ADAPTER COUPLER

Simplex ST Adapter Coupler
Duplex SC Adapter Coupler
Duplex LC Adapter Coupler
Simplex FC Adapter Coupler
Simplex ST to SC Adapter Coupler Converter
Simplex ST to FC Adapter Coupler Converter
Simplex SC to FC Adapter Coupler Converter
Simplex SC to LC Adapter Coupler Converter
Simplex FC to LC Adapter Coupler Converter

NVL-ST-MM-AC-SPX
NVL-SC-MM-AC-DPX
NVL-LC-MM-AC-DPX
NVL-FC-MM-AC-SPX

NVL-ST-SM-AC-SPX
NVL-SC-SM-AC-DPX
NVL-LC-SM-AC-DPX
NVL-FC-SM-AC-SPX
NVL-ST-SC-SM-AC-SPX
NVL-ST-FC-SM-AC-SPX
NVL-SC-FC-SM-AC-SPX
NVL-SC-LC-SM-AC-SPX
NVL-FC-LC-SM-AC-SPX



FEATURES/ BENEFITS

- High Interface Performance
- Complies with Telcordia GR-326-CORE, UL and RoHS standard

APPLICATIONS

- Telecom Network
- Ethernet Network
- Optical Communication Equipment

FIBER OPTIC CONNECTOR

Description

Simplex ST Connector, Epoxy
Simplex SC Connector, Epoxy
Simplex LC Connector, Epoxy
Simplex FC Connector, Epoxy

Part Number
MM 50 or 62.5 μm

NVL-ST-MM-EPO
NVL-SC-MM-EPO
NVL-LC-MM-EPO
NVL-FC-MM-EPO

Part Number
SM 9 μm

NVL-ST-SM-EPO
NVL-SC-SM-EPO
NVL-LC-SM-EPO
NVL-FC-SM-EPO



FEATURES/ BENEFITS

- Epoxy, Polish
- Low Insertion Loss
- High Interface Performance
- Pre-radiused Ferrule
- Complies with Telcordia GR-326-CORE, UL and RoHS standard
- Differentiated by color coded (for LC and SC only)

APPLICATIONS



ATTENUATOR

Description

SC Attenuator, Simplex
LC Attenuator, Simplex
FC Attenuator, Simplex

Part Number
SM 9 μm , 5db

NVL-AT-SC-05
NVL-AT-LC-05
NVL-AT-FC-05

Part Number
SM 9 μm , 10db

NVL-AT-SC-10
NVL-AT-LC-10
NVL-AT-FC-10

Part Number
SM 9 μm , 15db

NVL-AT-SC-15
NVL-AT-LC-15
NVL-AT-FC-15



FEATURES/ BENEFITS

- High Return Loss
- Simple Structure
- Low wavelength relativity
- Low polarization relativity Loss
- Complies with Telcordia GR-326-CORE, UL and RoHS standard

APPLICATIONS

- High speed fiber optic transmission system
- Long Distance DWDM system

ACCESSORIES

SPLICE TRAY

Description

Splice Tray Fits 12 Fusion Splice



Dimension (H x W x D)mm

11 x 90 x 150

Part Number

NVL-FO-ST-12

PRODUCT FACTS



- Up to 12 Splicing per tray
- Splice Tray come with Cover
- Stackable
- Fits in Join Closure or Optical Termination Box
- Fusion Sleeve provided

FEATURES/ BENEFITS



- Compact Design
- Easy Installation and Maintenance
- Minimum Fiber Bending Radius Maintenance

TOOLS

Description

Visual Fault Locator

Diameter

13.5 mm

Length

170 mm

Weight

88 g

Part Number

NVL-VFL



FEATURES/ BENEFITS



- Class 3A Laser diode
- Laser wavelength: 6650nm (nominal)
- Fiber Compatibility Multimode and Singlemode Universal adapter for connectors SC, ST, and FC
- Max Laser light distance 4000 m

FUSION SLEEVE

Description

Fusion Sleeve 60 mm

Diameter

3 mm

Length

60 mm

Part Number

NVL-FO-FS-60

APPLICATIONS



- Fusion sleeve/ Splice protector



CONSUMABLE KITS

Description

Buffer Tubing, 50 m

Adhesive Compound (50 ml)

Adhesive Primer (52 ml)

Diameter

900 µm

Length

50 m

Part Number

NVL-BFT-50
NVL-AD-CP-50
NVL-AD-PM-52



FEATURES/ BENEFITS

- No heat needed
- Quick cure



APPLICATIONS

- Field Termination





NETVIEL'S CERTIFICATE OF REGISTRATION

All NETVIEL optical fiber products have a 25 Years Limited Warranty Performance . We are confident that your NETVIEL optical fiber system will keep performing to the current Telecommunication's industry standards. The guarantee will be qualify when meet per following :

- Meet all TIA / EIA orISO/IEC Standards
- All products should be NETVIEL end-to-end solution
- All products should be supplied & installed by NETVIEL Certified System Installer/ Engineer
- All installations should be supervised and installed by NETVIEL Certified Engineer (NCE)

If any NETVIEL products fails to performs as stated above, NETVIEL will provide new components for free.*

NETVIEL'S AUTHORIZED PARTNER :



* No services will be replace, except components only