

OPTICAL CABLE & CABLE ASSEMBLY



FIBER OPTIC INDOOR CABLE



Description

Indoor Tight Buffer LSOH, 4 core

Part Number MM 50 μ m (OM2)

NVL-IN-MM2-004-LSOH

FEATURES/ BENEFITS

- Tight 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

MULTI LOOSE TUBE CABLE

Description	Part Number MM 62.5 μ m	Part Number MM 50 μ m (OM2)	Part Number MM 50 μ m (OM3 550+ / OM4)	Part Number SM 9 μ m
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

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



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
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 * SM G655D Fibercore types are also available

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 pigtail are available upon request * SM G655D Fibercore types are also available

- Neon coating™ fiber core coloring technology

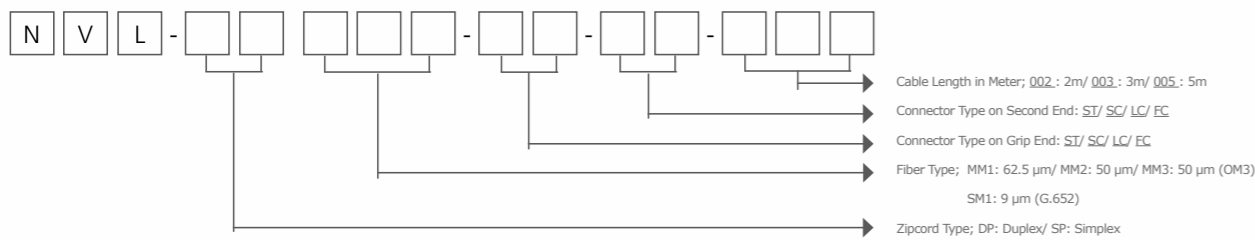
FEATURES/ BENEFITS

- 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

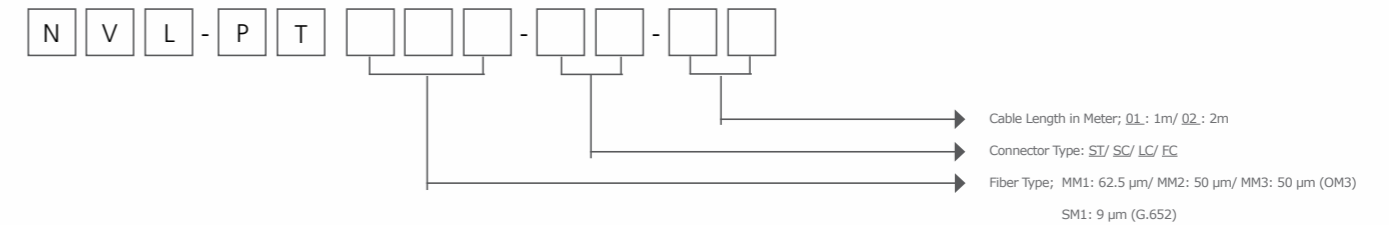
FULL RANGE OF FIBER TYPE

- Telecom Network
- Ethernet Network

Ordering Information



Ordering Information



ENCLOSURE & JOINT CLOSURE

RACKMOUNTED ENCLOSURE

Description	Dimension (H x W x D)mm	Part Number
Rackmount Closure Fits Up to 24 Ports (unloaded)	44 (1u) x 432 x 300	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

FEATURES/ BENEFITS

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

Rackmount Closure Fits Up to 48 Ports (unloaded)	89 (2u) x 432 x 300	NVL-OTB-RM-48
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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

FEATURES/ BENEFITS

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

Rackmount Closure Fits Up to 96 Ports (unloaded)	155,5 (3,5u) x 432 x 300	NVL - OTB-RM-96
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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

WALLMOUNTED CLOSURE

Description	Dimension (H x W)mm	Part Number
Wallmounted Closure Fits Up to 24 Ports (unloaded)	225 X 270 X 75	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	Dimension (H x W x D)mm	Part Number
Minibox™ Closure Fits Up to 12 Ports (unloaded)	250 X 175 X 55	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



FEATURES/ BENEFITS

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
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
OPGW Vertical Dome Joint Closure	470	*200	-	NVL-OPGW-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

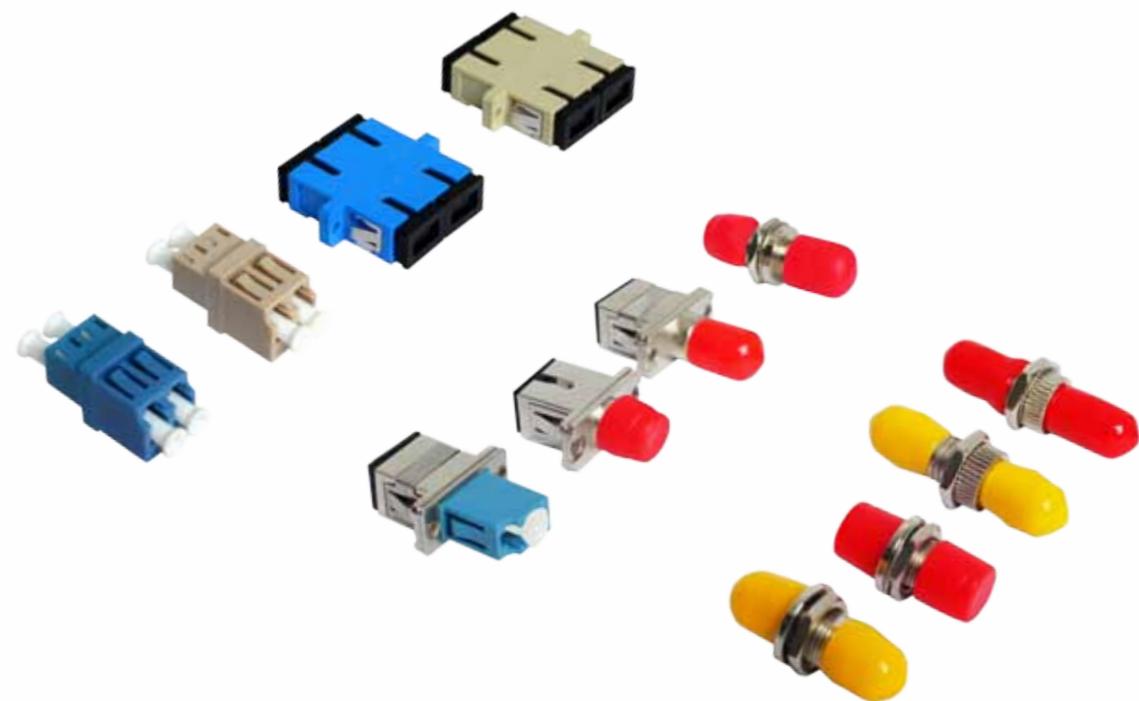
APPLICATIONS

- Telecom Network
- Ethernet Network

ADAPTER COUPLER, CONNECTOR & ATTENUATOR

FIBER OPTIC ADAPTER COUPLER

Description	Part Number MM 50 or 62.5 μm	Part Number SM 9 μm
Simplex ST Adapter Coupler	NVL - ST-MM-AC-SPX	NVL-ST-SM-AC-SPX
Duplex SC Adapter Coupler	NVL - SC-MM-AC-DPX	NVL-SC-SM-AC-DPX
Duplex LC Adapter Coupler	NVL - LC-MM-AC-DPX	NVL-LC-SM-AC-DPX
Simplex FC Adapter Coupler	NVL - FC-MM-AC-SPX	NVL-FC-SM-AC-SPX
Simplex ST to SC Adapter Coupler Converter	-	NVL-ST-SC-SM-AC-SPX
Simplex ST to FC Adapter Coupler Converter	-	NVL-ST-FC-SM-AC-SPX
Simplex SC to FC Adapter Coupler Converter	-	NVL-SC-FC-SM-AC-SPX
Simplex SC to LC Adapter Coupler Converter	-	NVL-SC-LC-SM-AC-SPX
Simplex FC to LC Adapter Coupler Converter	-	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	Part Number MM 50 or 62.5 μm	Part Number SM 9 μm
Simplex ST Connector, Epoxy	NVL-ST-MM-EPO	NVL-ST-SM-EPO
Simplex SC Connector, Epoxy	NVL-SC-MM-EPO	NVL-SC-SM-EPO
Simplex LC Connector, Epoxy	NVL-LC-MM-EPO	NVL-LC-SM-EPO
Simplex FC Connector, Epoxy	NVL-FC-MM-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

- Telecom Network
- Ethernet Network
- Optical Communication Equipment

ATTENUATOR

Description	Part Number SM 9 μm, 5db	Part Number SM 9 μm, 10 db	Part Number SM 9 μm, 15db
SC Attenuator, Simplex	NVL-AT-SC-05	NVL-AT-SC-10	NVL-AT-SC-15
LC Attenuator, Simplex	NVL-AT-LC-05	NVL-AT-LC-10	NVL-AT-LC-15
FC Attenuator, Simplex	NVL-AT-FC-05	NVL-AT-FC-10	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	Dimension (H x W x D)mm	Part Number
Splice Tray Fits 12 Fusion Splice	11 x 90 x 150	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	Diameter	Length	Weight	Part Number
Visual Fault Locator	13.5 mm	170 mm	88 g	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

FUSSION SLEEVE

Description	Diameter	Length	Part Number
Fussion Sleeve 60 mm	3 mm	60 mm	NVL-FO-FS-60



APPLICATIONS

- Fussion sleeve/ Splice protector

CONSUMABLE KITS

Description	Diameter	Length	Part Number
Buffer Tubing, 50 m	900 µm	50 m	NVL-BFT-50
Adhesive Compound (50 ml)			NVL-AD-CP-50
Adhesive Primer (52 ml)			NVL-AD-PM-52



FEATURES/ BENEFITS

- No heat needed
- Quick cure



APPLICATIONS

- Field Termination

NETVIEL *inlite*™





NETVIEL'S CERTIFICATE OF REGISTRATION

All NETVIEL inlite optical fiber products have a 25 Years Limited Warranty Performance . We are confident that your NETVIEL inlite 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 or ISO/IEC Standards
- All products should be NETVIEL inlite 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 inlite 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

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