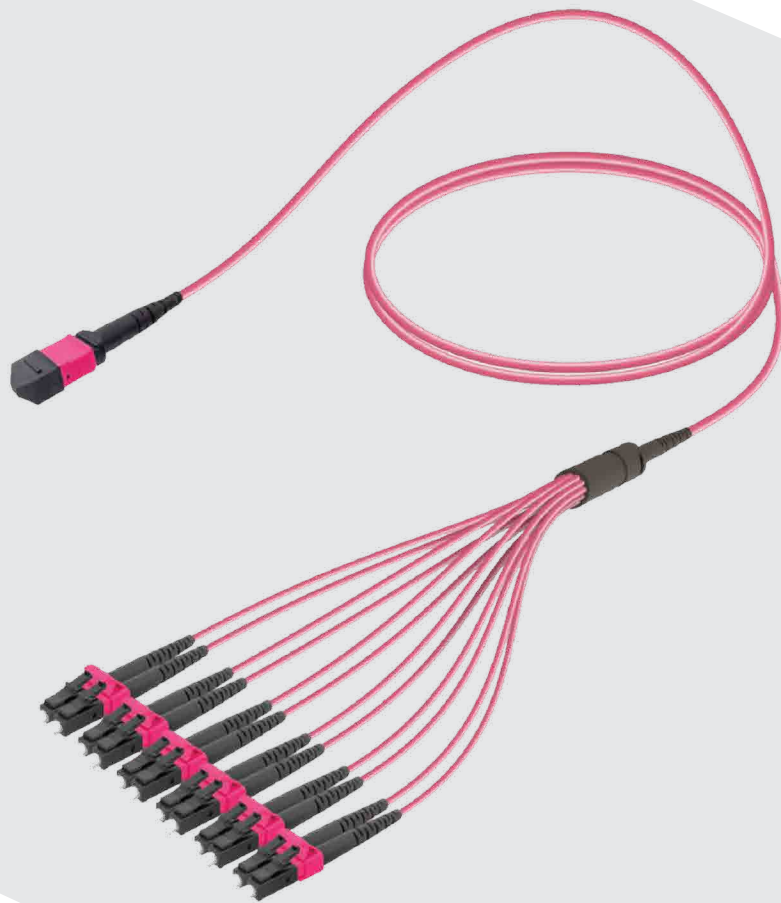




FIBER OPTIC ASSEMBLIES



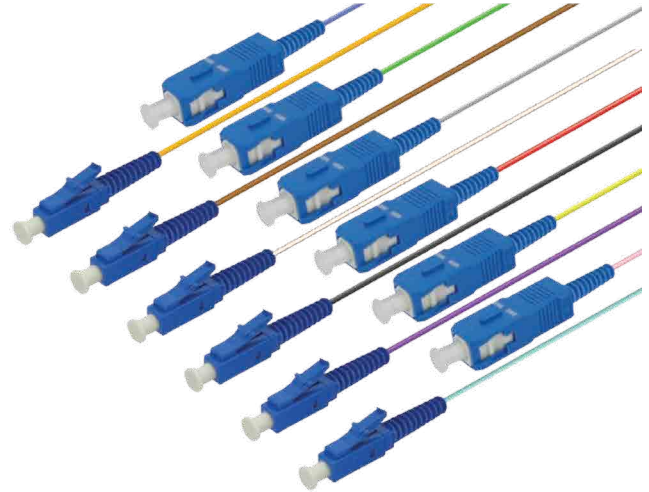
FIBER OPTIC ASSEMBLIES

Fiber Optic Pigtaills

Single-Mode Pigtaills

Buffer Tube Stripping Lengths

- TB (Tight Buffer) : 2-3 cm
- SB (Semi-Tight Buffer) : 30-50 cm
- EB (Easy Strip Buffer) : 100-150 cm



Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PT - 01 - SB - 009 - A2 - BU - LC - 005M

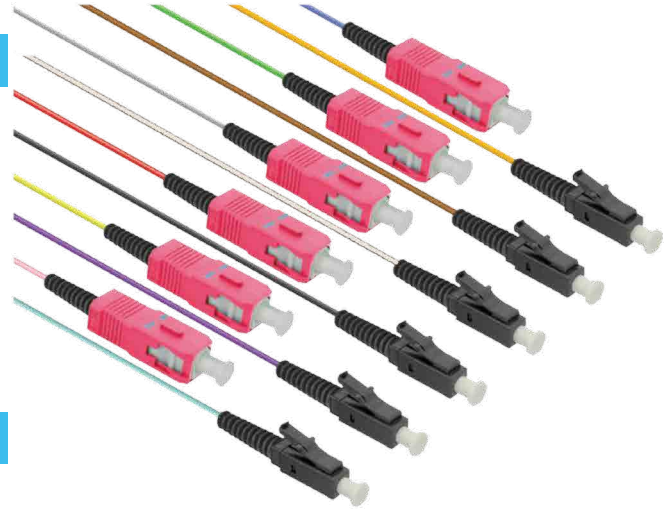
Type	Type	Fiber Count	Buffer Type	Diameter	Fiber Type	Color	Side A	Length
Indoor: I	Pigtail: PT	1 Fiber: 01	Tight: TB Semi-Tight: SB Easy Strip: EB	0.9 mm: 009	SM G.652 D: 2D SM G.657 A1: A1 SM G.657 A2: A2 SM G.657 B3: B3	Blue: BU Orange: OG Green: GN Brown: BN Grey: GY White: WH Red: RD Black: BK Yellow: YE Violet: VT Pink: PK Aqua: AQ	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	___ M

Fiber Optic Pigtails

Multi-Mode Pigtails

Buffer Tube Stripping Lengths

- TB (Tight Buffer) : 2-3 cm
- SB (Semi-Tight Buffer) : 30-50 cm
- EB (Easy Strip Buffer) : 100-150 cm



Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PT - 01 - SB - 009 - A2 - BU - LC - 005M

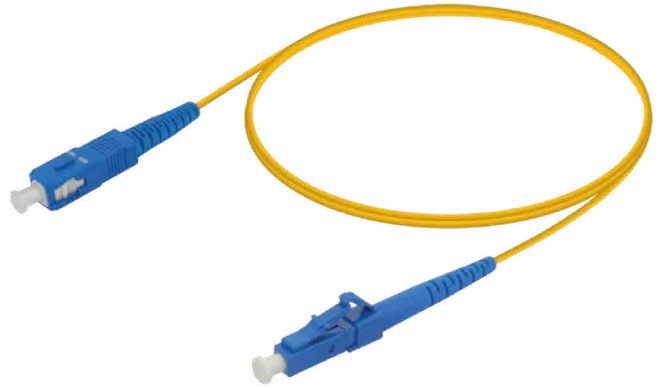
Type	Type	Fiber Count	Buffer Type	Diameter	Fiber Type	Color	Side A	Length
Indoor: I	Pigtail: PT	1 Fiber: 01	Tight: TB Semi-Tight: SB Easy Strip: EB	0.9 mm: 009	MM G.651 OM1: M1 MM G.651 OM2: M2 MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	Blue: BU Orange: OG Green: GN Brown: BN Grey: GY White: WH Red: RD Black: BK Yellow: YE Violet: VT Pink: PK Aqua: AQ	SC-UPC: SC LC-UPC: LC FC-UPC: FC ST-UPC: ST LSH-UPC: E2	___ M

Fiber Optic Patch Cords

Simplex Single-Mode Patch Cord

Cable Specifications

- 1 core simplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- 1.8 mm - 2.0 mm - 2.7 mm diameter options
- Max. Tensile Strength: For 1.8 mm - 2.0 mm is 150 N
For 2.7 mm is 300 N
- Min. Bending Radius 25 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications

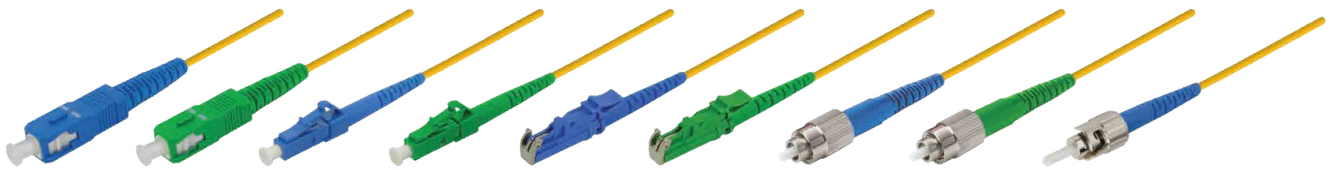
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC 61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 01 - SX - 020 - A2 - SC - LC - 005M

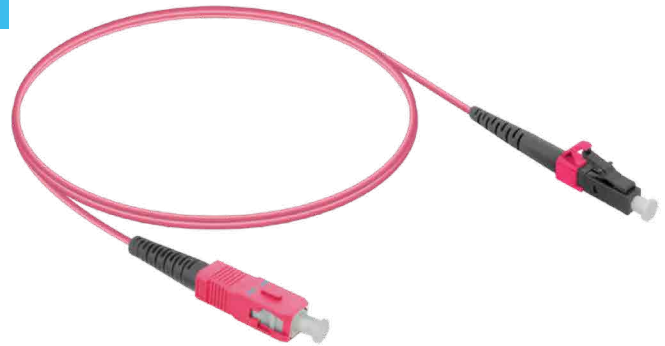
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	1 Fiber: 01	Simplex: SX	1.8 mm: O18 2.0 mm: O20 2.7 mm: O27	SM G.657 A2: A2 SM G.657 B3: B3	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	--- M

Fiber Optic Patch Cords

Simplex Multi-Mode Patch Cord

Cable Specifications

- 1 core simplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- 1.8 mm - 2.0 mm - 2.7 mm diameter options
- Max. Tensile Strength: For 1.8 mm - 2.0 mm is 150 N
For 2.7 mm is 300 N
- Min. Bending Radius 25 mm
- Cable Color: OS1/OS2: YOM1/OM2: Beige; OM3: Aqua,
OM4: Violet, OM5: Lime Green



Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	EC 61755-3-1
Visual Inspection	IEC 61300-3-35



ST OM4 ST OM3 ST OM1 OM2 FC OM4 FC OM3 FC OM1 OM2 LSH OM4 LSH OM3 LSH OM1 OM2 LC OM4 LC OM3 LC OM1 OM2 SC OM4 SC OM3 SC OM1 OM2

Sample Coding

I - PC - 01 - SX - 020 - M4 - SC - LC - 005M

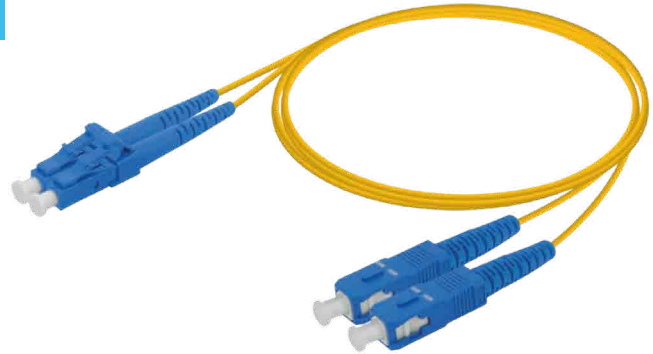
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	1 Fiber: 01	Simplex: SX	1.8 mm: O18 2.0 mm: O20 2.7 mm: O27	MM G.651 OM1: M1 MM G.651 OM2: M2 MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: SC LC-UPC: LC FC-UPC: FC ST-UPC: ST LSH-UPC: E2	SC-UPC: SC LC-UPC: LC FC-UPC: FC ST-UPC: ST LSH-UPC: E2	--- M

Fiber Optic Patch Cords

Duplex Single-Mode Patch Cord

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- 1.8x3.7 mm - 2.0x4.1 mm diameter options
- Max. Tensile Strength is 300 N
- Min. Bending Radius 25 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications

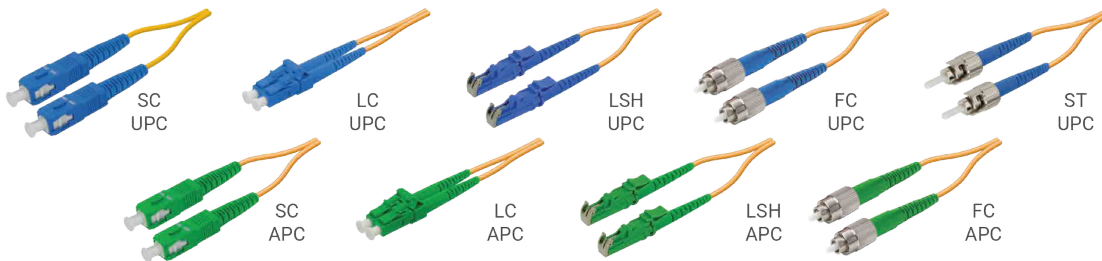
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC 61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 02 - DX - 020 - A2 - SC - LC - 005M

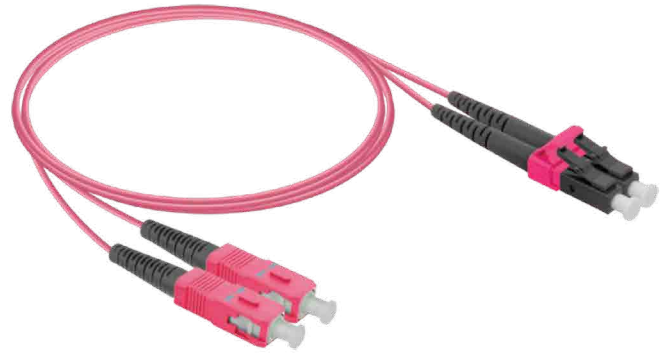
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	2 Fiber: 02	Duplex: DX	1.8 mm: O18 2.0 mm: O20	SM G.657 A2: A2 SM G.657 B3: B3	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	--- M

Fiber Optic Patch Cords

Duplex Multi-Mode Patch Cord

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- 1.8x3.7 mm - 2.0x4.1 mm diameter options
- Max. Tensile Strength is 300 N
- Min. Bending Radius is 25 mm
- Cable Color: OM1/OM2: Beige; OM3: Aqua, OM4: Violet, OM5: Lime Green



Connector Specifications

LC Connector Compliance	61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Multi-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC 61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 02 - DX - 020 - M4 - SC - LC - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	2 Fiber: 02	Duplex: DX	1.8 mm: 018 2.0 mm: 020	MM G.651 OM1: M1 MM G.651 OM2: M2 MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: SC LC-UPC: LC FC-UPC: FC ST-UPC: ST LSH-UPC: E2	SC-UPC: SC LC-UPC: LC FC-UPC: FC ST-UPC: ST LSH-UPC: E2	__ _ M

Fiber Optic Patch Cords



LC Duplex Single-Mode Uniboot Patch Cord | UNI20 / UNI21

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- Cable Diameter: 2.0mm
- Max. Tensile Strength is 300 N
- Min. Bending Radius 25 mm
- Cable Color: Yellow: OS1 and OS2

Connector Specifications

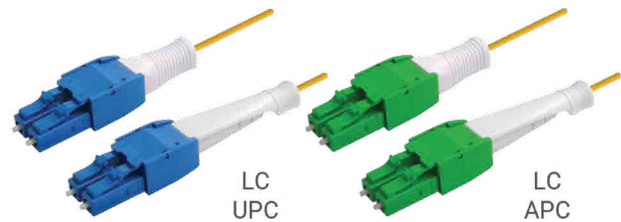
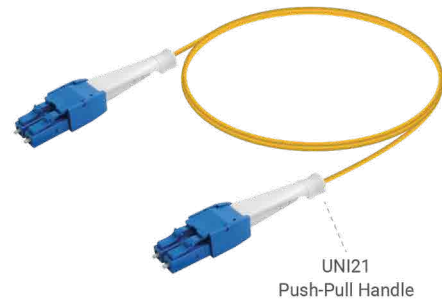
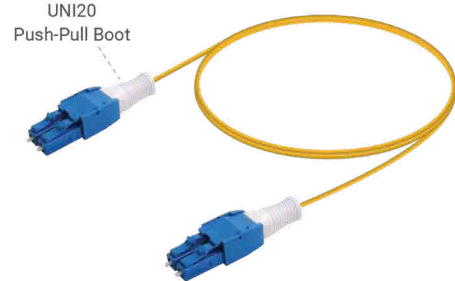
LC Connector Compliance	IEC 61754-20, GR-326-Core, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ.
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - O2 - RND - O20 - A2 - LC (UNI20) - LC (UNI20) - O05M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	2 Fiber: O2	Round: RND	2.0 mm: O20	SM G.657 A2: A2	LC-UPC: LC(UNI20) LC-APC: LA(UNI20) LC-UPC: LC(UNI21) LC-APC: LA(UNI21)	LC-UPC: LC(UNI20) LC-APC: LA(UNI20) LC-UPC: LC(UNI21) LC-APC: LA(UNI21)	--- M

Fiber Optic Patch Cords

LC Duplex Multi-Mode Uniboot Patch Cord | UNI20 / UNI21

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- Cable Diameter: 2.0mm
- Max. Tensile Strength is 300 N
- Min. Bending Radius 15 mm
- Cable Color: OM1/OM2: Beige; OM3: Aqua, OM4: Violet, OM5: Lime Green

Connector Specifications

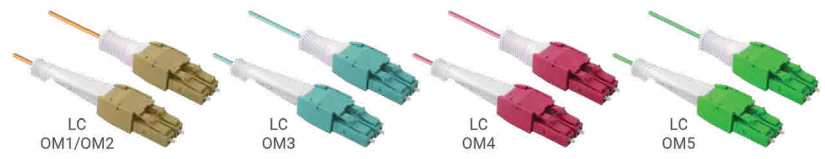
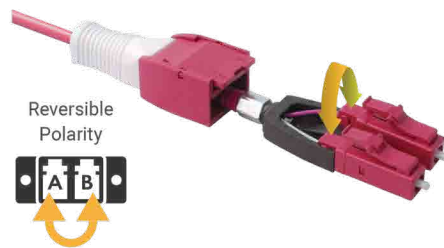
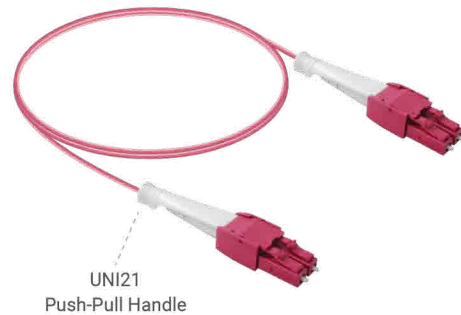
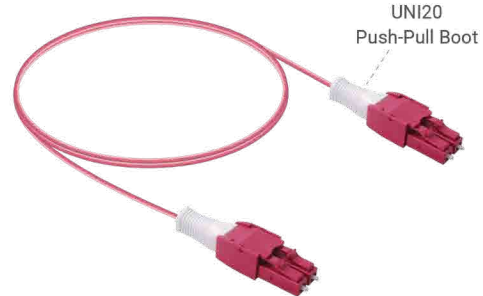
LC Connector Compliance	IEC 61754-20, GR-326-Core, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Multi-Mode: ≤ 0.30 dB Max. 0.15 dB Typ..
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - O2 - RND - O20 - M3 - LC (UNI20) - LC (UNI20) - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	2 Fiber: O2	Round: RND	2.0 mm: O20	MM G.651 OM1: M1 MM G.651 OM2: M2 MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	LC-UPC: LC(UNI20) LC-UPC: LC(UNI21)	LC-UPC: LC(UNI20) LC-UPC: LC(UNI21)	--- M

Fiber Optic Patch Cords



LC Duplex Single-Mode Uniboot Patch Cord | UNI10

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- Cable Diameter: 2.0mm
- Max. Tensile Strength is 300 N
- Min. Bending Radius 15 mm
- Cable Color: Yellow: OS1 and OS2

Connector Specifications

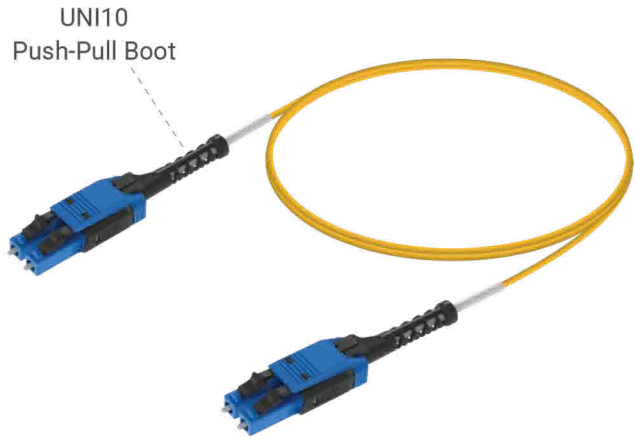
LC Connector Compliance	IEC 61754-20, GR-326-Core, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Multi-Mode: ≤ 0.30 dB Max. 0.15 dB Typ..
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - O2 - RND - O20 - A2 - LC (UNI10) - LC (UNI10) - O05M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	2 Fiber: O2	Round: RND	2.0 mm: O20	SM G.657 A2: A2	LC-UPC: LC(UNI10) LC-APC: LA(UNI10)	LC-UPC: LC(UNI10) LC-APC: LA(UNI10)	--- M

Fiber Optic Patch Cords

LC Duplex Single-Mode Uniboot Patch Cord | UNI10

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: LSZH, UL94 V-0
- Cable Diameter: 2.0mm
- Max. Tensile Strength is 300 N
- Min. Bending Radius 15 mm
- Cable Color: OM1/OM2: Beige; OM3: Aqua, OM4: Violet, OM5: Lime Green

Connector Specifications

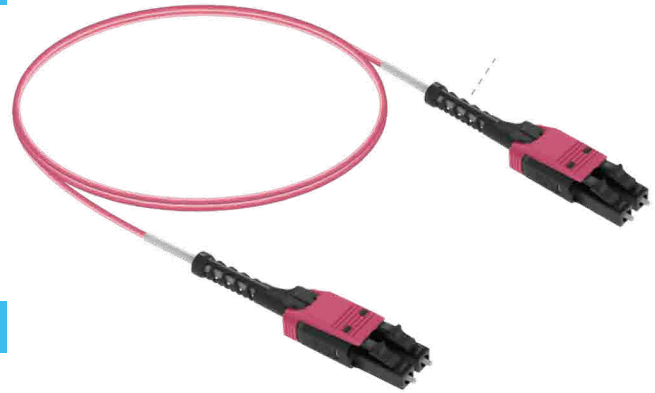
LC Connector Compliance	IEC 61754-20, GR-326-Core, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Multi-Mode: ≤ 0.30 dB Max. 0.15 dB Typ..
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Reversible Polarity



Sample Coding

I - PC - O2 - RND - O20 - M3 - LC (UNI10) - LC (UNI10) - O05M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	2 Fiber: O2	Round: RND	2.0 mm: O20	MM G.651 OM1: M1 MM G.651 OM2: M2 MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	LC-UPC: LC(UNI10)	LC-UPC: LC(UNI10)	--- M

Fiber Optic Patch Cords



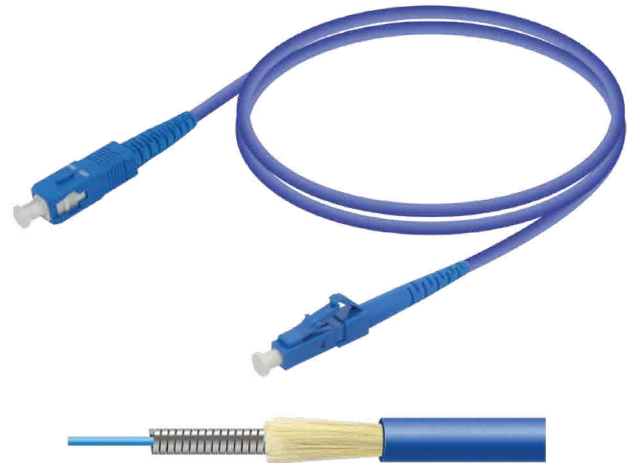
Simplex Single-Mode Armoured Patch Cord

Cable Specifications

- 1 core simplex fiber optic cable
- Jacket Material: PVC
- Cable Diameter: 3.0 mm
- Max. Tensile Strength is 200 N
- Min. Bending Radius is 30 mm
- Cable Color: OS1/OS2: Blue

Connector Specifications

LC Connector Compliance	61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

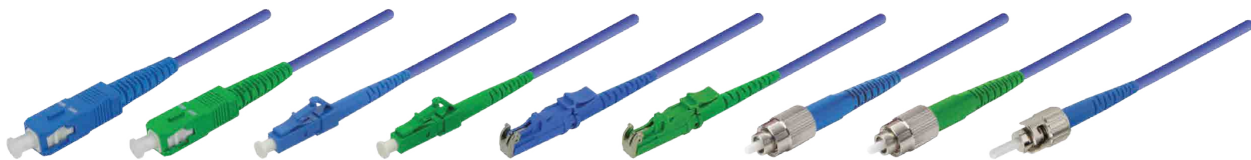


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



SC UPC SC APC LC UPC LC APC LSH UPC LSH APC FC UPC FC APC ST UPC

Sample Coding

A - PC - 01 - SX - 030 - A2 - SC - LC - 005M

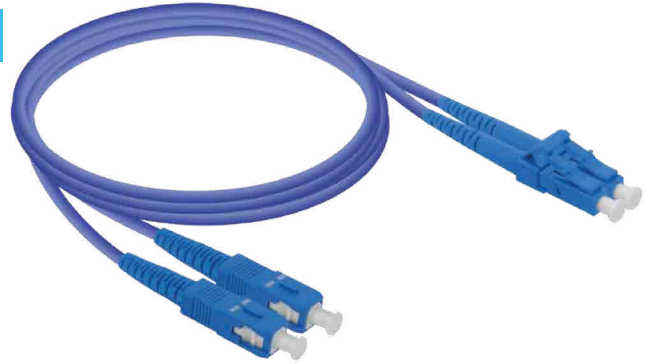
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Armoured: A	Patch Cord: PC	1 Fiber: 01	Simplex: SX	3.0 mm: 030	SM G.657 A2: A2	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	--- M

Fiber Optic Patch Cords

Duplex Single-Mode Armoured Patch Cord

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: PVC
- Cable Diameter: 3.0x6.2 mm
- Max. Tensile Strength is 400 N
- Min. Bending Radius is 60 mm
- Cable Color: OS1/OS2: Blue



Connector Specifications



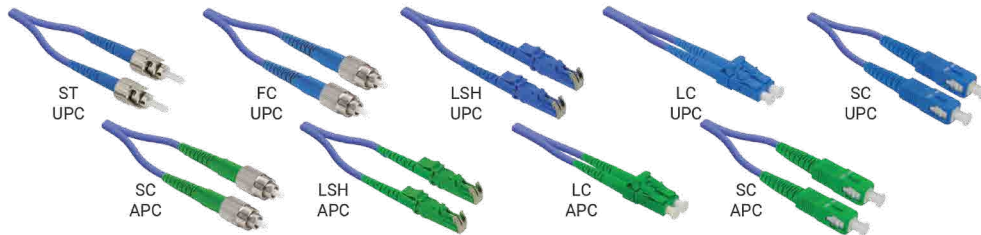
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC 61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

A - PC - 01 - DX - 030 - A2 - SC - LC - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Armoured: A	Patch Cord: PC	2 Fiber: 02	Duplex: DX	3.0 mm: 030	SM G.657 A2: A2	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	SC-UPC: SC SC-APC: SA LC-UPC: LC LC-APC: LA FC-UPC: FC FC-APC: FA ST-UPC: ST LSH-UPC: E2 LSH-APC: EA	___ M

Fiber Optic Fan-out Assemblies



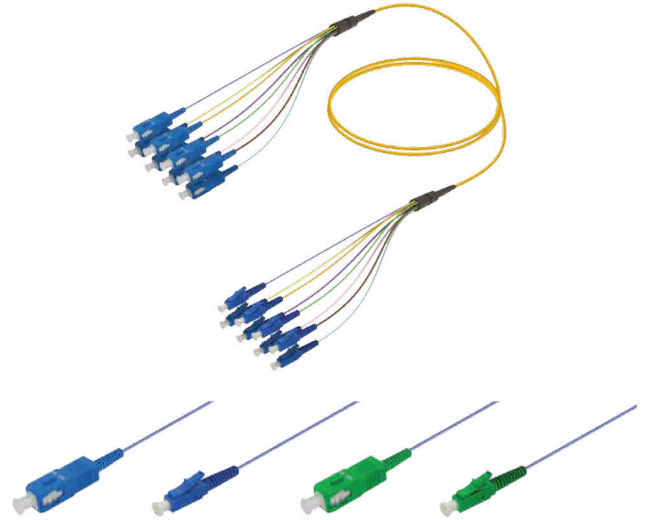
Duplex Single-Mode Armoured Patch Cord

Cable Specifications

- 2 cores duplex fiber optic cable
- Jacket Material: PVC
- Cable Diameter: 3.0x6.2 mm
- Max. Tensile Strength is 400 N
- Min. Bending Radius is 60 mm
- Cable Color: OS1/OS2: Blue

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
FC Connector Compliance	IEC 61754-13, TIA 604-4-A, RoHS
ST Connector Compliance	IEC 61754-2, TIA 604-2, RoHS
LSH Connector Compliance	IEC 61754 - 15, TIA 604 - 16, RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

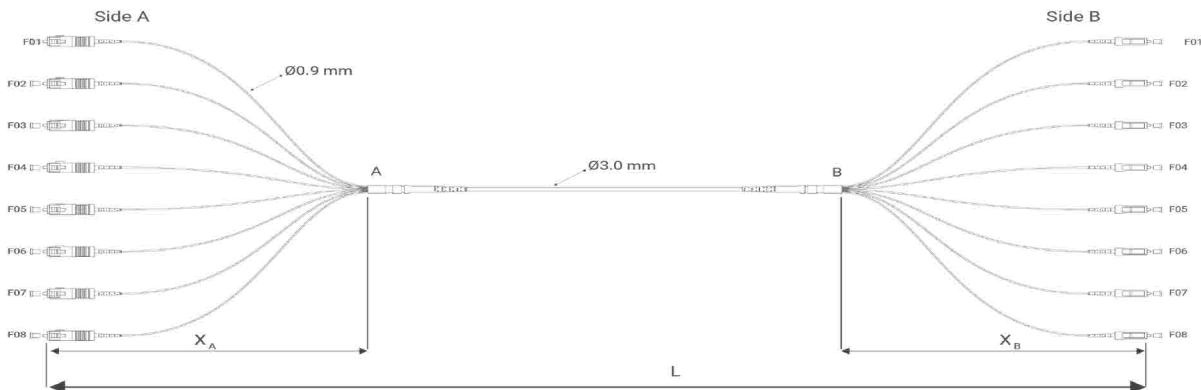


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC 61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 08 - FC - 309 - A2 - 08SCS - 08LCS - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: 08	Fan-out: FC	3.0/09 mm: 309	SM G.657 A2: A2	SC-UPC: 08SCS SC-APC: 08SAS LC-UPC: 08LCS LC-APC: 08LAS	SC-UPC: 08SCS SC-APC: 08SAS LC-UPC: 08LCS LC-APC: 08LAS	___M

Fiber Optic Fan-out Assemblies



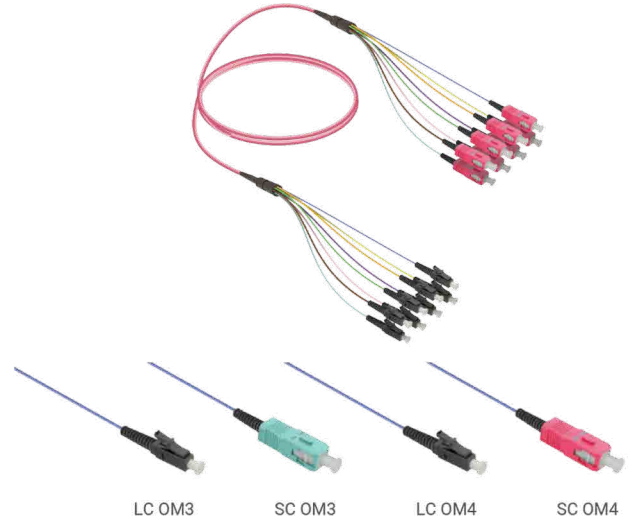
8 Fiber Multi-Mode Fan-out | 0.9 mm

Cable Specifications

- 2 cores duplex fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 0.9 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	One Side Connector Count
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

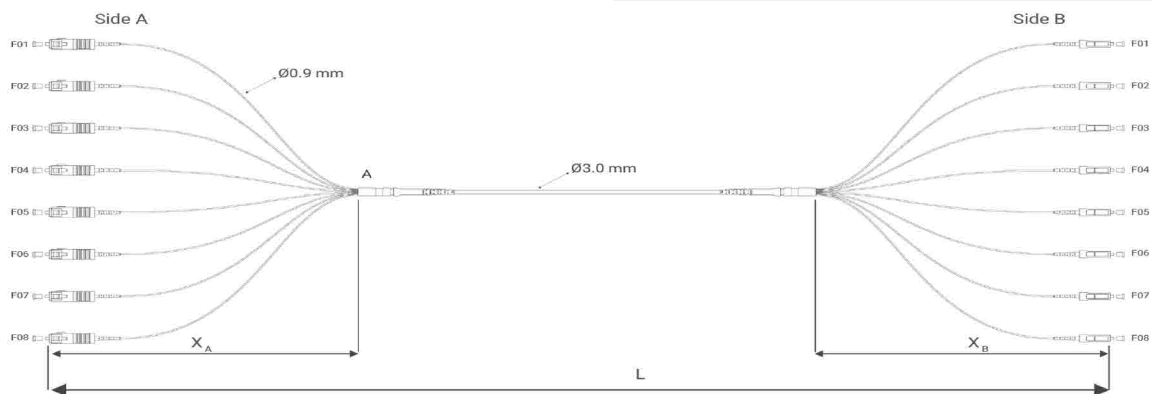


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 08 - FC - 309 - M4 - 08SCS - 08LCS - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: 08	Fan-out: FC	3.0/09 mm: 309	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: 08SCS LC-UPC: 08LCS	SC-UPC: 08SCS LC-UPC: 08LCS	--- M

Fiber Optic Fan-out Assemblies

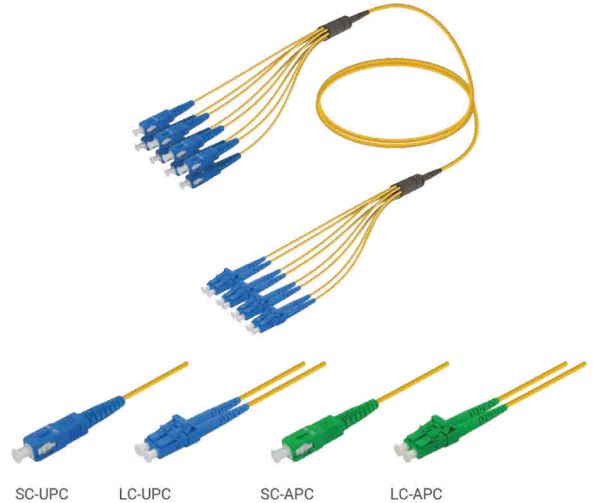
8 Fiber Single-Mode Fan-out | 1.8 mm

Cable Specifications

- 8 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	8 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

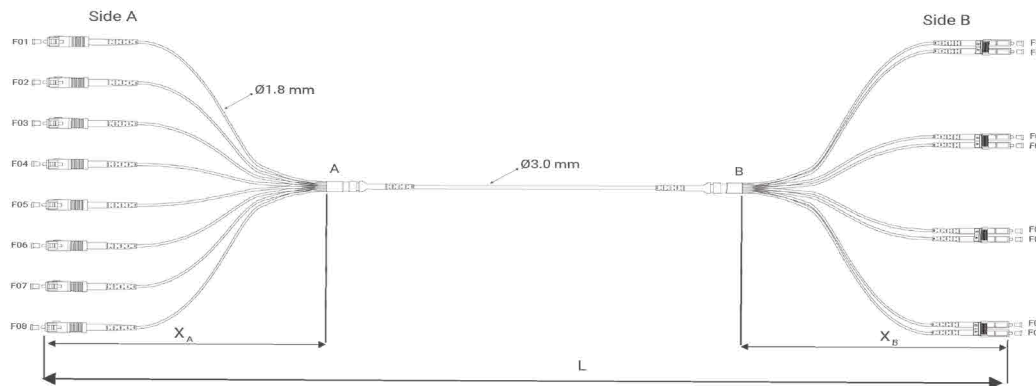


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 08 - FC - 318 - A2 - 08SCS - 04 LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: 08	Fan-out: FC	3.0/1.8 mm: 318	SM G.657 A2: A2	SC-UPC: 08SCS SC-APC: 08SAS LC-UPC: 04LCD LC-APC: 04LAD	SC-UPC: 08SCS SC-APC: 08SAS LC-UPC: 04LCD LC-APC: 04LAD	... M

Fiber Optic Fan-out Assemblies



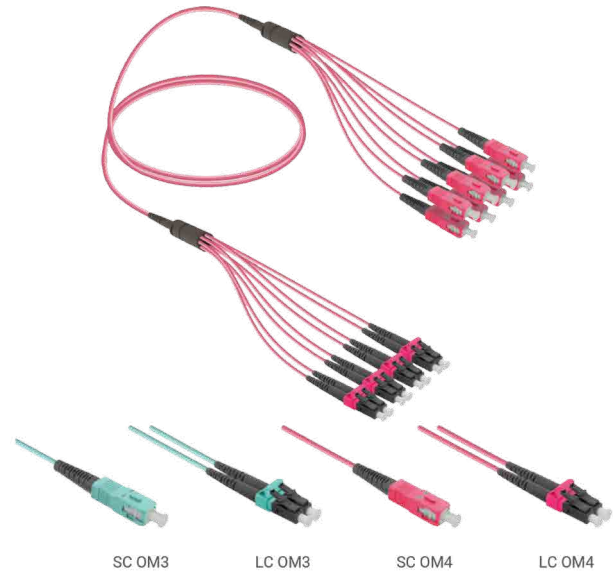
8 Fiber Multi-Mode Fan-out | 1.8 mm

Cable Specifications

- 8 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	8 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

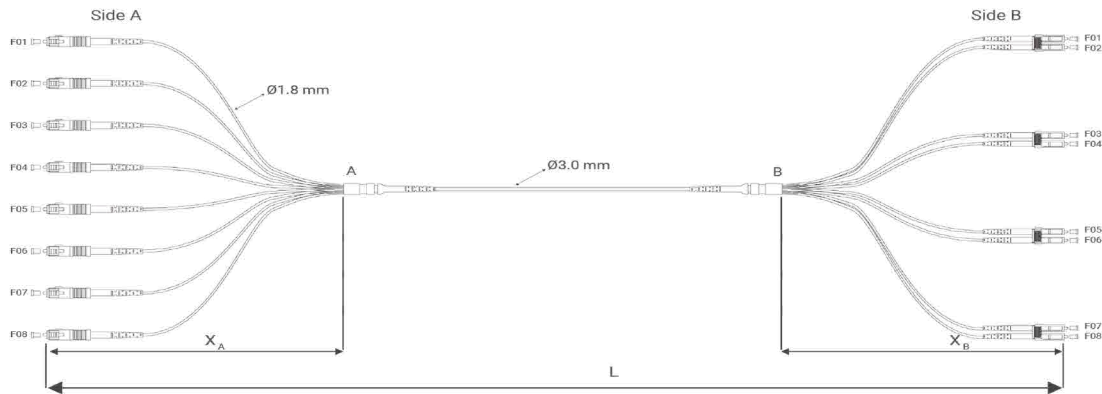


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

I - PC - 08 - FC - 318 - M4 - 08SCS - 04 LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: 08	Fan-out: FC	3.0/1.8 mm: 318	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: 08SCS LC-UPC: 04LCD	SC-UPC: 08SCS LC-UPC: 04LCD	___ M

Fiber Optic Fan-out Assemblies



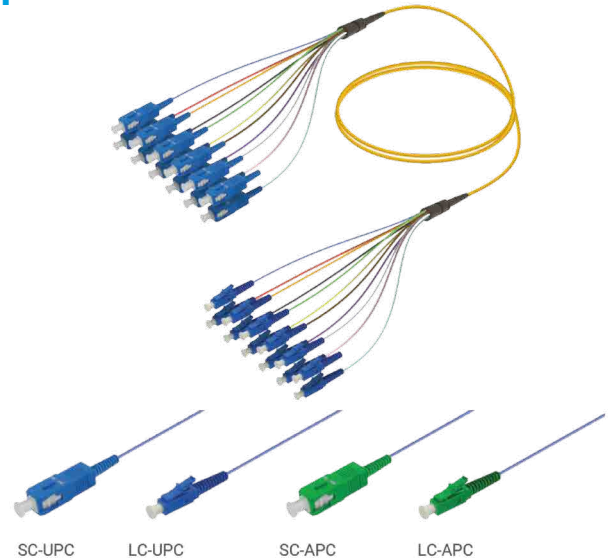
12 Fiber Single-Mode Fan-out | 0.9 mm

Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 0.9 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	12 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

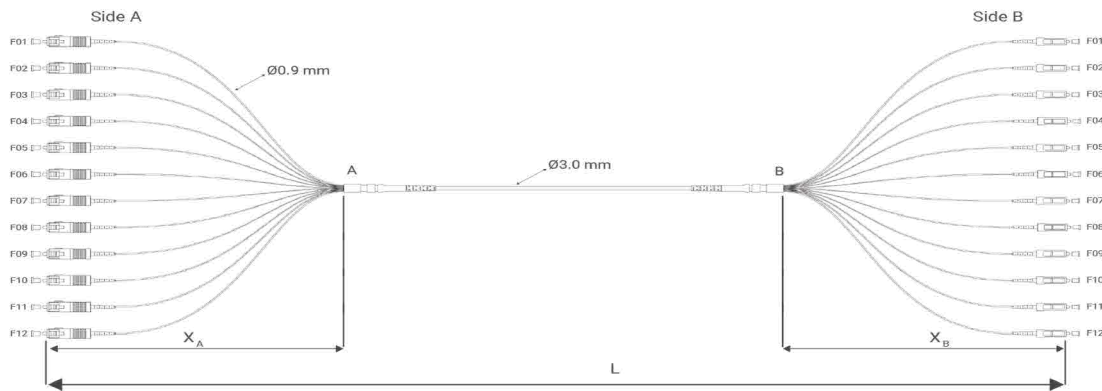


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 12 - FC - 309 - A2 - 12 SCS - 12 LCS - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	12 Fibers: 12	Fan-out: FC	3,0/09 mm: 309	SM G.657 A2: A2	SC-UPC: 12SCS SC-APC: 12SAS LC-UPC: 12LCS LC-APC: 12LAS	SC-UPC: 12SCS SC-APC: 12SAS LC-UPC: 12LCS LC-APC: 12LAS	--- M

Fiber Optic Fan-out Assemblies



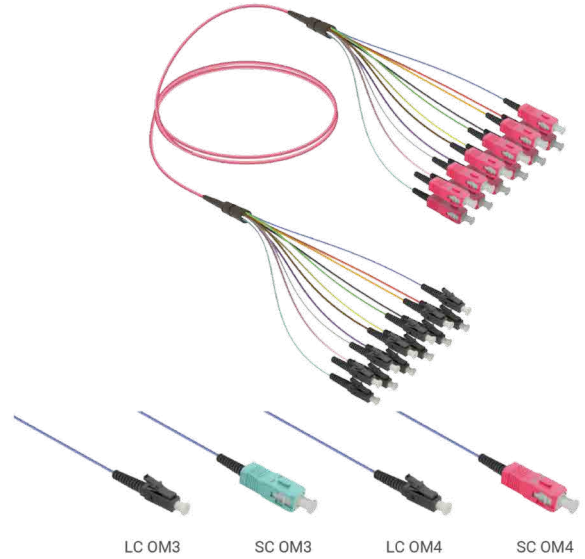
12 Fiber Multi-Mode Fan-out | 0.9 mm

Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 0.9 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	12 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

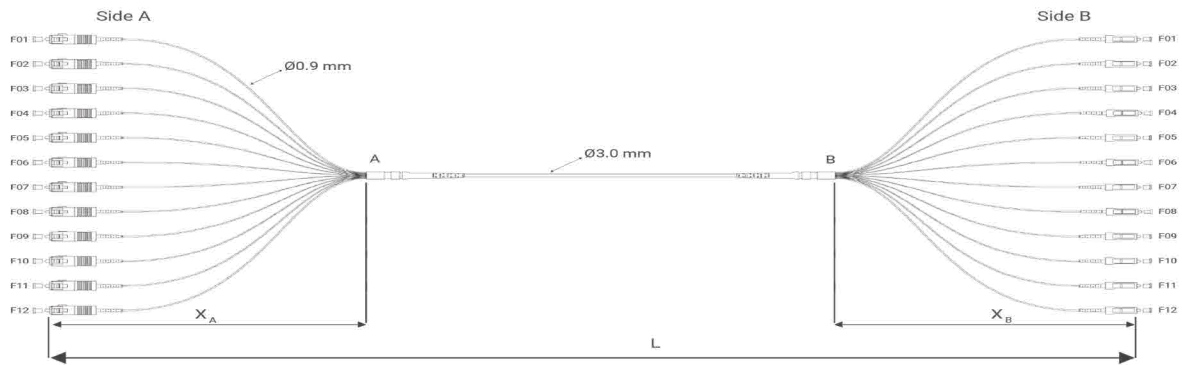


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 12 - FC - 309 - M4 - 12 SCS - 12 LCS - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	12 Fibers: 12	Fan-out: FC	3.0/09 mm: 309	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: 12SCS LC-UPC: 12LCS	SC-UPC: 12SCS LC-UPC: 12LCS	___ M

Fiber Optic Fan-out Assemblies



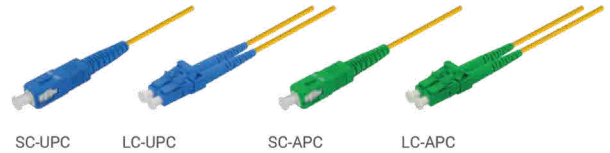
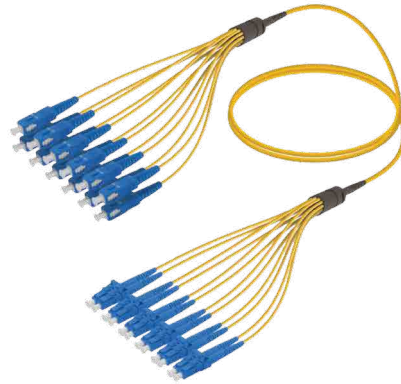
12 Fiber Single-Mode Fan-out | 1.8 mm

Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	12 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

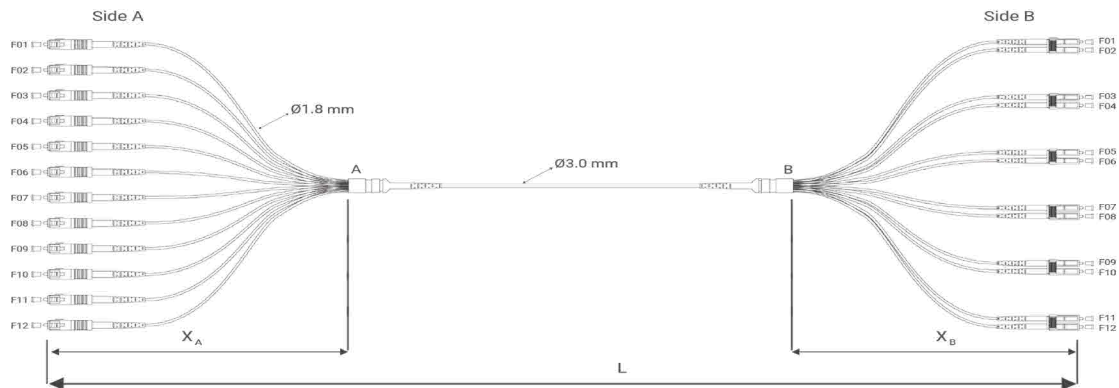


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 12 - FC - 318 - A2 - 12 SCS - 06 LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	12 Fibers: 12	Fan-out: FC	3.0/1.8 mm: 318	SM G.657 A2: A2	SC-UPC: 12SCS SC-APC: 12SAS LC-UPC: 06LCD LC-APC: 06LAD	SC-UPC: 12SCS SC-APC: 12SAS LC-UPC: 06LCD LC-APC: 06LAD	... M

Fiber Optic Fan-out Assemblies

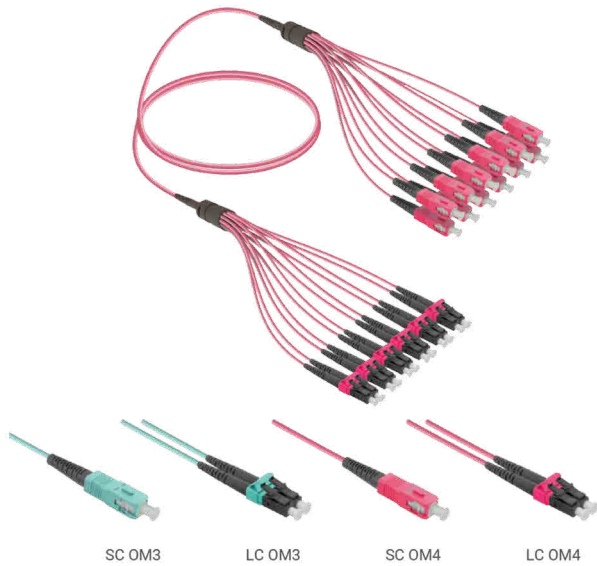


12 Fiber Multi-Mode Fan-out | 1.8 mm

Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications



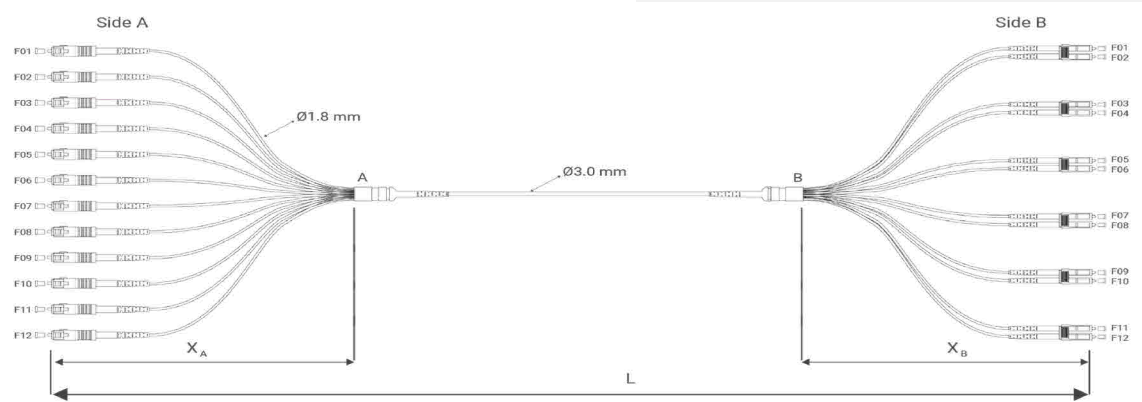
Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	12 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 12 - FC - 318 - M4 - 12 SCS - 06 LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	12 Fibers: 12	Fan-out: FC	3.0/1.8 mm: 318	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: 12SCS LC-UPC: 06LCD	SC-UPC: 12SCS LC-UPC: 06LCD	___ M

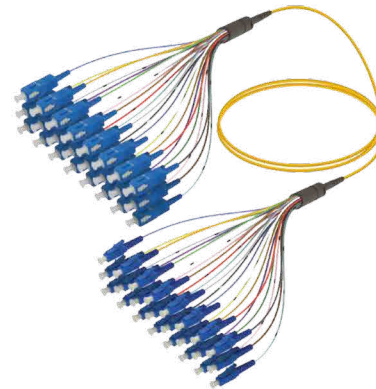
Fiber Optic Fan-out Assemblies



24 Fiber Single-Mode Fan-out | 0.9 mm

Cable Specifications

- 24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 0.9 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications



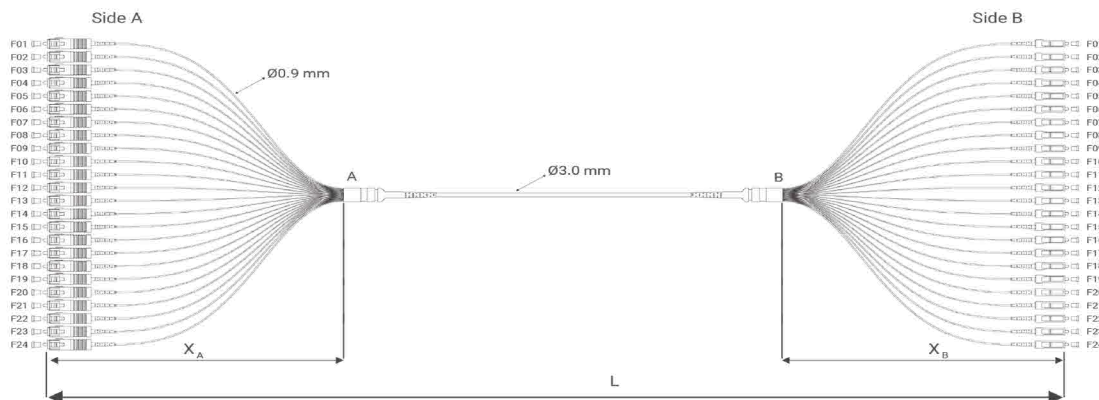
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	24 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-O
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 24 - FC - 309 - A2 - 24 SCS - 24 LCS - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	12 Fibers: 12	Fan-out: FC	3.0/09 mm: 309	SM G.657 A2: A2	SC-UPC: 24SCS SC-APC: 24SAS LC-UPC: 24LCS LC-APC: 24LAS	SC-UPC: 24SCS SC-APC: 24SAS LC-UPC: 24LCS LC-APC: 24LAS	--- M

Fiber Optic Fan-out Assemblies

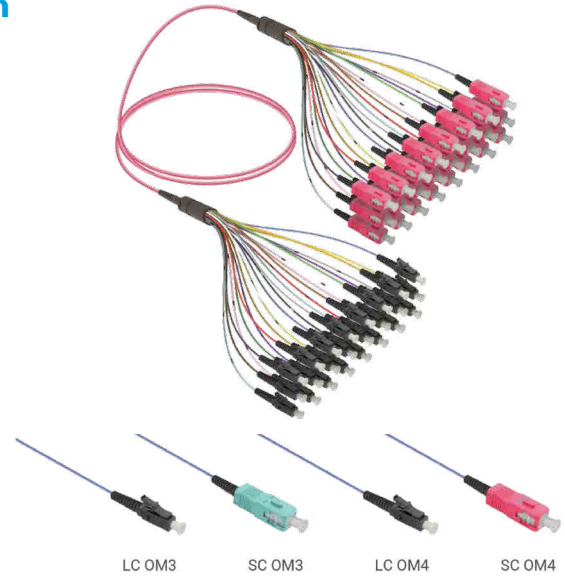
24 Fiber Multi-Mode Fan-out | 0.9 mm

Cable Specifications

- 24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 0.9 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	24 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings



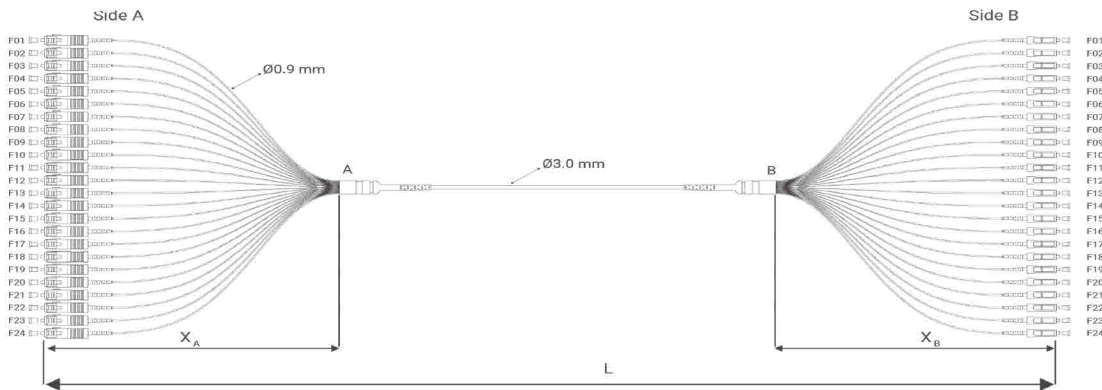
LC OM3 SC OM3 LC OM4 SC OM4

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length

Sample Coding

I - PC - 24 - FC - 309 - M4 - 24 SCS - 24 LCS - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	24 Fibers: 24	Fan-out: FC	3.0/0.9 mm: 309	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: 24SCS LC-UPC: 24LCS	SC-UPC: 24SCS LC-UPC: 24LCS	--- M

Fiber Optic Fan-out Assemblies



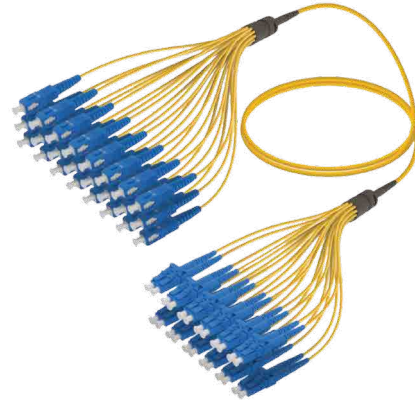
24 Fiber Single-Mode Fan-out | 1.8 mm

Cable Specifications

- 24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 0.9 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	24 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

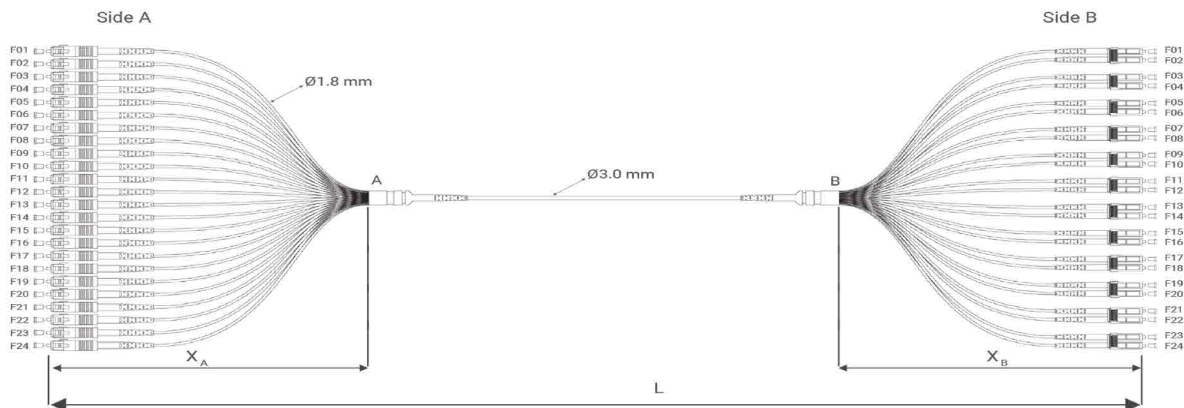


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Single-Mode UPC: ≥ 50 dB Single-Mode APC: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1 APC : IEC 61755-3-2
Visual Inspection	IEC 61300-3-35



Sample Coding * X (Tube Length) is standard 500 mm. Please contact us for different tube length

I - PC - 24 - FC - 318 - A2 - 24 SCS - 12 LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	24 Fibers: 24	Fan-out: FC	3.0/1.8 mm: 318	SM G.657 A2: A2	SC-UPC: 24SCS SC-APC: 24SAS LC-UPC: 12LCD LC-APC: 12LAD	SC-UPC: 24SCS SC-APC: 24SAS LC-UPC: 12LCD LC-APC: 12LAD	--- M

Fiber Optic Fan-out Assemblies



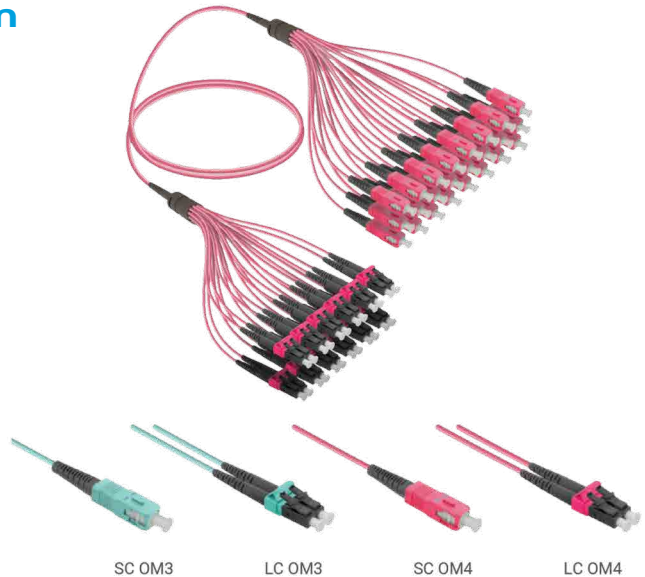
24 Fiber Multi-Mode Fan-out | 1.8 mm

Cable Specifications

- 24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
SC Connector Compliance	IEC 61754-4, TIA 604-3, RoHS
One Side Connector Count	24 Connectors
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

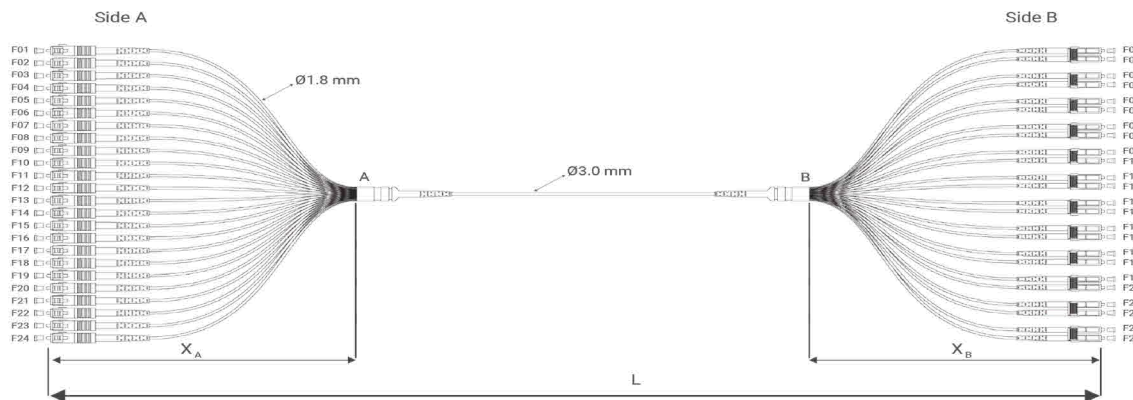


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.30 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 35 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Sample Coding

* X (Tube Length) is standard 500 mm. Please contact us for different tube length

I - PC - 24 - FC - 318 - M4 - 24 SCS - 12LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Side A	Side B	Length
Indoor: I	Patch Cord: PC	24 Fibers: 24	Fan-out: FC	3.0/1.8 mm: 318	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	SC-UPC: 24SCS LC-UPC: 12LCD	SC-UPC: 24SCS LC-UPC: 12LCD	__ _ M

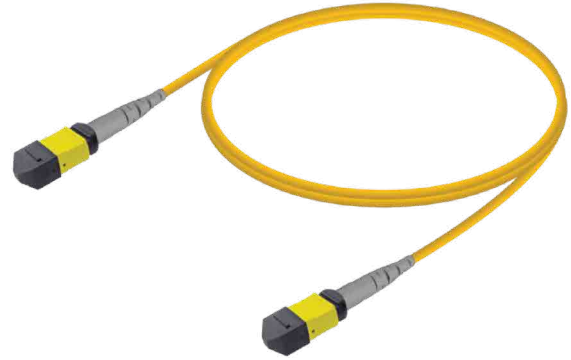
MTP/MPO Fiber Optic Assemblies



MTP-MTP Single-Mode Patch Cord

Cable Specifications

- 8-12-24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / 4.8 mm
- Max. Tensile Strength: For 3.0 mm: 200 N
For 4.8 mm: 800 N
- Min. Bending Radius: For 3.0 mm: 20 mm
For 4.8 mm: 100 mm
- Cable Color: OM3: Aqua, OM4: Violet



Connector Specifications

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 8 Fiber

Base-12 12 Fiber

Base-24 24 Fiber

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.1 dB typical change for > 500 matings



Optical Performance

Insertion Loss IEC 61300-3-4 Method B

Single-Mode: ≤ 0.30 dB Max.
0.15 dB Typ

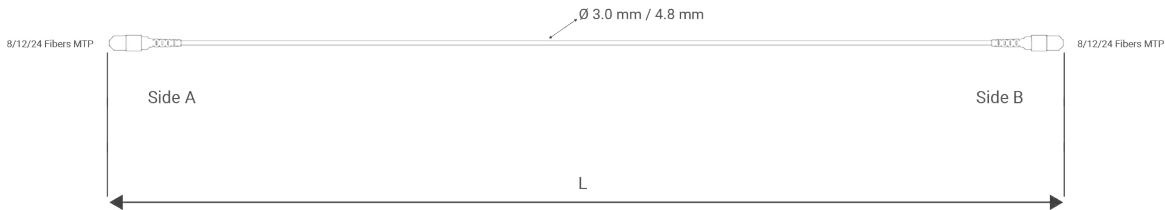
Return Loss IEC61300-3-6 Method B

Multi-Mode: ≥ 60 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-1

Visual Inspection IEC 61300-3-35



Sample Coding

I	-	PC	-	O8	-	MT	-	O30	-	A2	-	B	-	MTPEf	-	MTPEf	-	O05M
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length									
Indoor: I	Patch Cord: PC	8 Fibers: O8 12 Fibers: 12 24 Fibers: 24	MTP/MTP: MT	3.0 mm: O30 4.8 mm: O48	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	MTPEf (Female) MTPEm (Male)	MTPEf (Female) MTPEm (Male)	--- M									

MTP/MPO Fiber Optic Assemblies



MTP-MTP Multi-Mode Patch Cord

Cable Specifications

- 8-12-16-24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / 4.8 mm
- Max. Tensile Strength: For 3.0 mm: 200/100 N
For 4.8 mm: 500/300 N
- Min. Bending Radius: For 3.0 mm: 60/30 mm
For 4.8 mm: 100/50 mm
- Cable Color: OM3: Aqua, OM4: Violet, OM5: Lime Green

Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
Base-8 / Base-12	8 Fiber / 12 Fiber
Base-16	16 Fiber
Base-24	24 Fiber
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

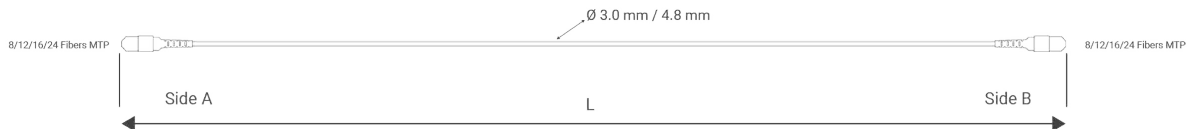


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.35 dB Max. 0.15 dB Typ
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 20 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 08 - MT - 030 - M4 - B - MTPEf - MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: 08 12 Fibers: 12 16 Fibers: 16 24 Fibers: 24	MTP/MTP: MT	3.0 mm: 030 4.8 mm: 048	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B C Polarization: C	MTPEf (Female) MTPEm (Male)	MTPEf (Female) MTPEm (Male)	___ M

MTP/MPO Fiber Optic Assemblies



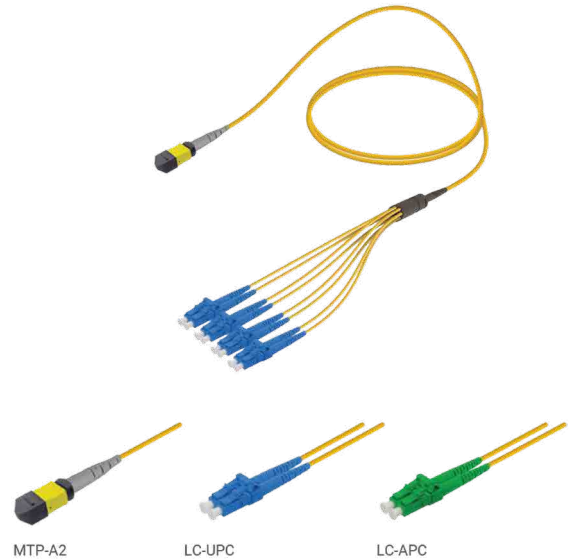
8 Fiber SM MTP-LC Fan-out | 1.8 mm

Cable Specifications

- 8 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
Base-8	8 Fiber
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

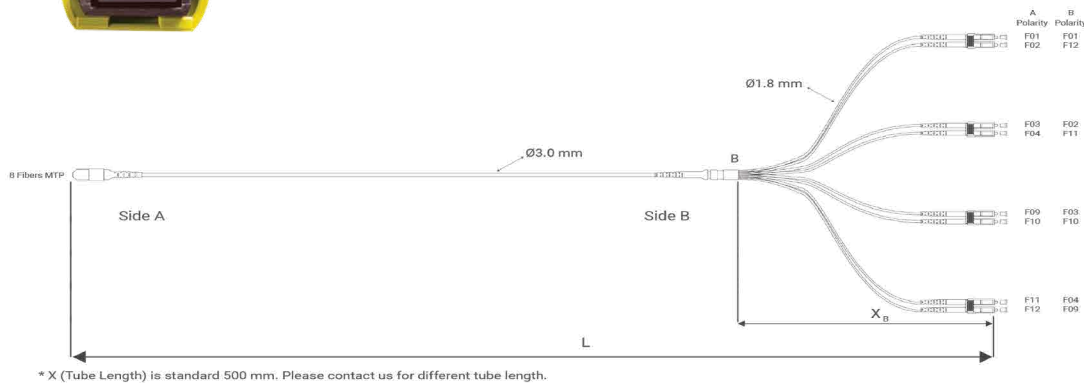


Optical Performance

Insertion Loss	MTP : ≤ 0.35 dB Max.; 0,15 dB Typ. IEC 61300-3-4 Method B	LC : ≤ 0.30 dB Max.; 0,15 dB Typ.
Return Loss	MTP : ≥ 60 dB IEC61300-3-6 Method B	LC : UPC ≥ 50 dB ; APC ≥ 60 dB

End-face Control Parameters

Geometry Inspection	MFC: IEC 61755-3-31 SFC (UPC/APC): IEC 61755-3-1/2
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length.

Sample Coding

I - PC - O8 - MF - O30 - M4 - B - MTPEf - MTPEf - O05M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: O8	MTP/Fan-out: MF	3.0/1.8 mm: 318	SM G.657 A2: A2	A Polarization: A B Polarization: B	MTPEf (Female) MTPEm (Male)	LC-UPC: O4LCD LC-APC: O4LAD	___ M

MTP/MPO Fiber Optic Assemblies



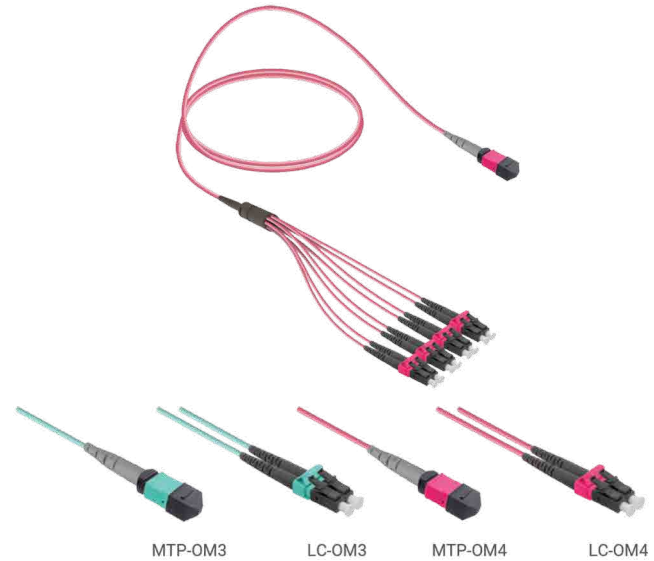
8 Fiber MM MTP-LC Fan-out | 1.8 mm

Cable Specifications

- 8 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
Base-8	8 Fibers
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

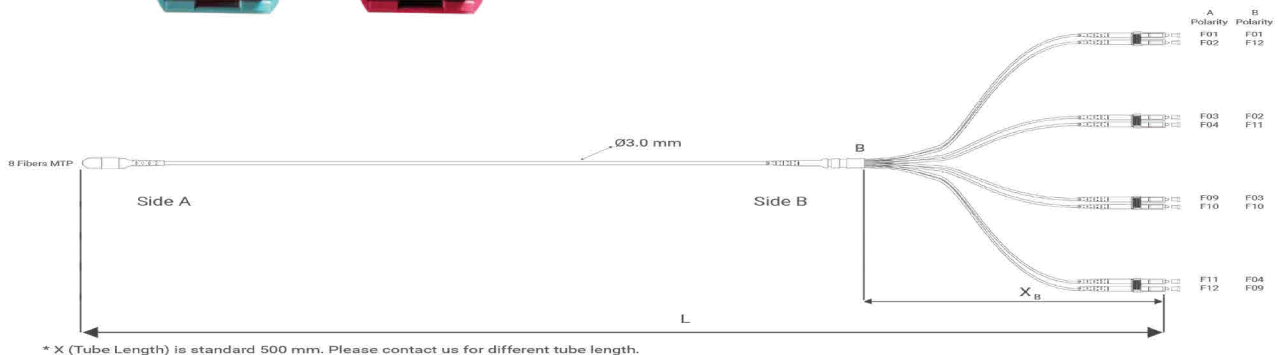


Optical Performance

Insertion Loss	MTP : ≤ 0.35 dB Max.; 0,15 dB Typ. IEC 61300-3-4 Method B	LC : ≤ 0.30 dB Max.; 0,15 dB Typ.
Return Loss	MTP : ≥ 20 dB IEC61300-3-6 Method B	LC : ≥ 35 dB

End-face Control Parameters

Geometry Inspection	MFC: IEC 61755-3-31 SFC: IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 08 - MF - 318 - M4 - B - MTPEf - 04LCD - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8 Fibers: 08	MTP/Fan-out: MF	3.0/1.8 mm: 318	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B	MTPEf (Female) MTPEm (Male)	LC-UPC: 04LCD	__ _ M

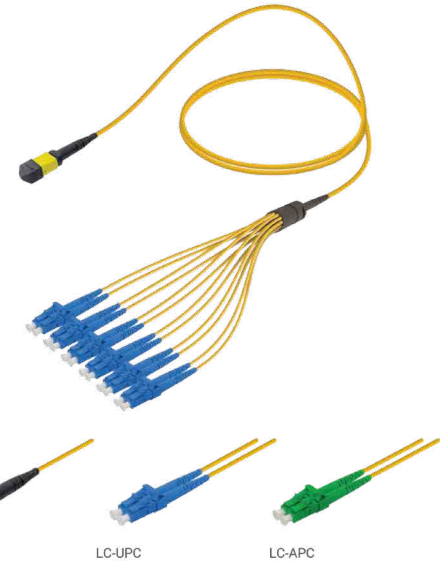
MTP/MPO Fiber Optic Assemblies



12 Fiber SM MTP-LC Fan-out | 1.8 mm

Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
Base-12	12 Fibers
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

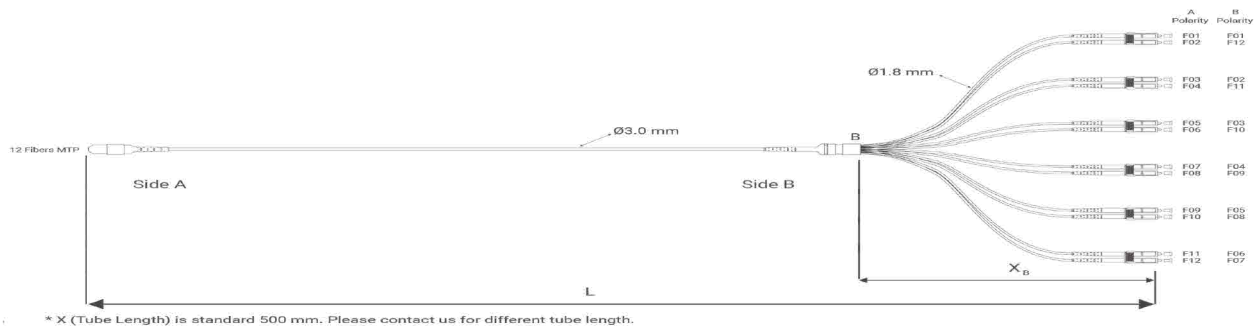


Optical Performance

Insertion Loss	MTP : ≤ 0.35 dB Max.; 0,15 dB Typ. IEC 61300-3-4 Method B	LC : ≤ 0.30 dB Max.; 0,15 dB Typ.
Return Loss	MTP : ≥ 60 dB IEC61300-3-6 Method B	LC : UPC ≥ 50 dB ; APC ≥ 60 dB

End-face Control Parameters

Geometry Inspection	MFC: IEC 61755-3-31 SFC (UPC/APC): IEC 61755-3-1/2
Visual Inspection	IEC 61300-3-35



Sample Coding

I - PC - 12 - MF - 318 - A2 - B - MTPEf - O6LCD - O05M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	12 Fibers: 12	MTP/Fan-out: MF	3.0/1.8 mm: 318	SM G.657 A2: A2	A Polarization: A B Polarization: B	MTPEf (Female) MTPEm (Male)	LC-UPC: O6LCD LC-APC: O6LAD	___ M

MTP/MPO Fiber Optic Assemblies



12 Fiber MM MTP-LC Fan-out | 1.8 mm

Cable Specifications

- 12 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet



Connector Specifications



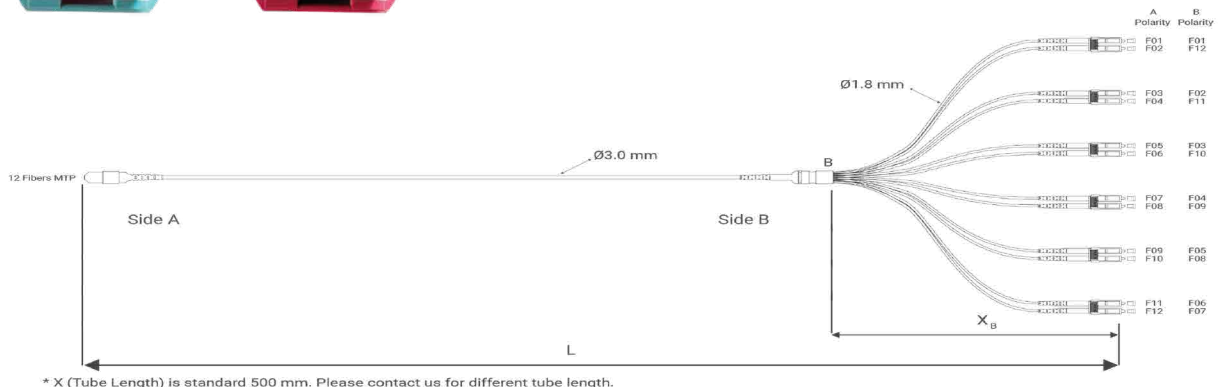
MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
Base-12	12 Fibers
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss	MTP : ≤ 0.35 dB Max.; 0,15 dB Typ. IEC 61300-3-4 Method B	LC : ≤ 0.30 dB Max.; 0,15 dB Typ.
Return Loss	MTP : ≥ 20 dB IEC61300-3-6 Method B	LC : ≥ 35 dB

End-face Control Parameters

Geometry Inspection	MFC: IEC 61755-3-31 SFC: IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length.

Sample Coding

I	-	PC	-	12	-	MF	-	318	-	M4	-	B	-	MTPEf	-	O6LCD	-	005M
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length									
Indoor: I	Patch Cord: PC	12 Fibers: 12	MTP/Fan-out: MF	3.0/1.8 mm: 318	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B	MTPEf (Female) MTPem (Male)	LC-UPC: 12LCD LC-APC: 12LAD	___ M									

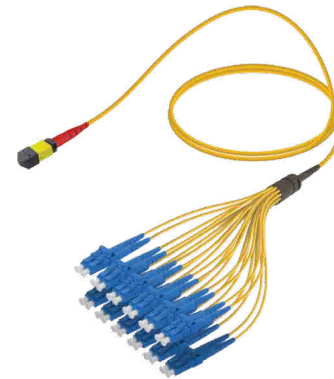
MTP/MPO Fiber Optic Assemblies



24 Fiber SM MTP-LC Fan-out | 1.8 mm

Cable Specifications

- 24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications



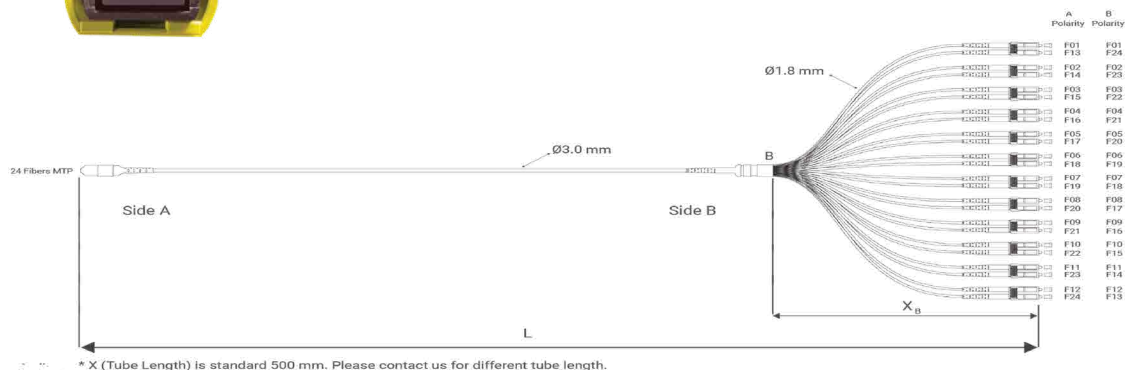
MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
Base-24	24 Fibers
Alignment Technology	Full ceramic ferrule (Zirconia ZrO ₂)
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

Optical Performance

Insertion Loss	MTP : ≤ 0.35 dB Max.; 0,15 dB Typ. IEC 61300-3-4 Method B	LC : ≤ 0.30 dB Max.; 0,15 dB Typ.
Return Loss	MTP : ≥ 60 dB IEC61300-3-6 Method B	LC : UPC ≥ 50 dB ; APC ≥ 60 dB

End-face Control Parameters

Geometry Inspection	MFC: IEC 61755-3-31 SFC (UPC/APC): IEC 61755-3-1/2
Visual Inspection	IEC 61300-3-35



Sample Coding

I	-	PC	-	24	-	MF	-	318	-	A2	-	B	-	MTPEf	-	12LCD	-	005M
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length									
Indoor: I	Patch Cord: PC	24 Fibers: 24	MTP/Fan-out: MF	3.0/1.8 mm: 318	SM G.657 A2: A2	A Polarization: A B Polarization: B	MTPEf (Female) MTPEm (Male)	LC-UPC: 12LCD LC-APC: 12LAD	___ M									

MTP/MPO Fiber Optic Assemblies



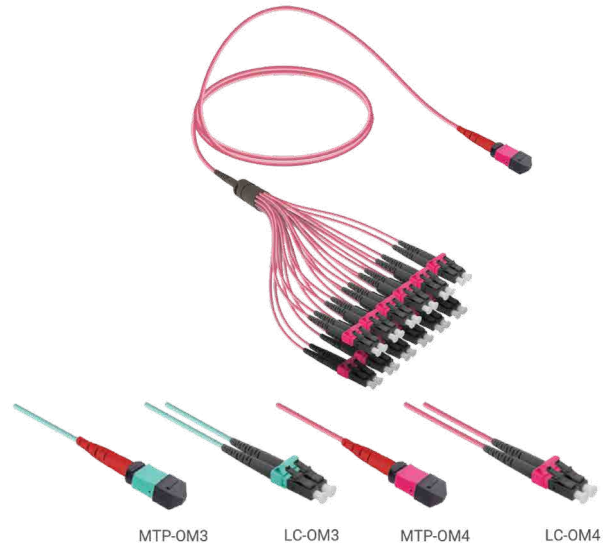
24 Fiber MM MTP-LC Fan-out | 1.8 mm

Cable Specifications

- 24 core distribution fiber optic cable
- CPR: Dca, s2, d0, a1
- Cable Diameter: 3.0 mm / Fan-out Diameter: 1.8 mm
- Max. Tensile Strength: 200N
- Min. Bending Radius 20 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
LC Connector Compliance	IEC 61754-20, TIA 604-10-A, RoHS
Base-24	24 Fibers
Alignment Technology	Full ceramic ferrule (Zirconia ZrO2)
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.1 dB typical change for > 500 matings

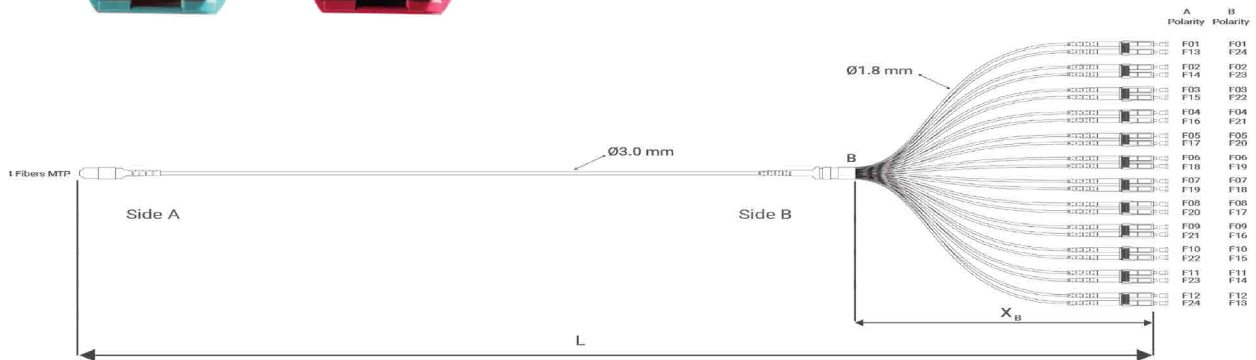


Optical Performance

Insertion Loss	MTP : ≤ 0.35 dB Max.; 0,15 dB Typ. IEC 61300-3-4 Method B	LC : ≤ 0.30 dB Max.; 0,15 dB Typ.
Return Loss	MTP : ≥ 20 dB IEC61300-3-6 Method B	LC : ≥ 35 dB

End-face Control Parameters

Geometry Inspection	MFC: IEC 61755-3-31 SFC: IEC 61755-3-1
Visual Inspection	IEC 61300-3-35



* X (Tube Length) is standard 500 mm. Please contact us for different tube length.

Sample Coding

I	-	PC	-	24	-	MF	-	318	-	M4	-	B	-	MTPEf	-	12LCD	-	005M
Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length									
Indoor: I	Patch Cord: PC	24 Fibers: 24	MTP/Fan-out: MF	3.0/1.8 mm: 318	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B	MTPEf (Female) MTPEm (Male)	LC-UPC: 12LCD	--- M									

MTP/MPO Fiber Optic Assemblies



2xMTP-2xMTP Single-Mode Breakout

Cable Specifications

- 16/24/48 core breakout cable construction:
Cable: 6.6 mm; Sub-unit: 2.0 mm
Cable: 8.5 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 600N
- Min. Bending Radius 90 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications



MTP-A2 Base-8

MTP-A2 Base-12

MTP-A2 Base-24

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 16 Fiber 2x8

Base-12 24 Fiber 2x12

Base-24 48 Fiber 2x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings

Optical Performance

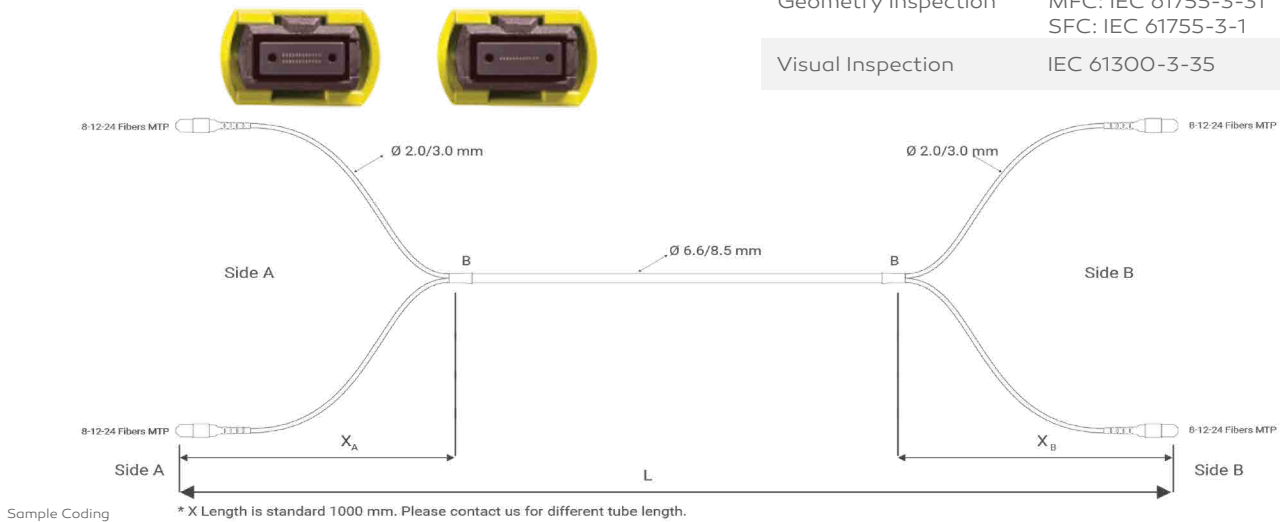
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max.
0.15 dB Typ.

Return Loss IEC 61300-3-6 Method B Single-Mode: ≥ 60 dB

End-face Control Parameters

Geometry Inspection MFC: IEC 61755-3-31
SFC: IEC 61755-3-1

Visual Inspection IEC 61300-3-35



Sample Coding

* X Length is standard 1000 mm. Please contact us for different tube length.

I - PC - 24 - MB - 662 - A2 - B - O2MTPEf - O2MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x2 Fibers: 16 12x2 Fibers: 24 24x2 Fibers: 48	MTP/Breakout: MB	6.6/2.0 mm: 662 8.5/3.0 mm: 853	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	O2MTPEf (Female) O2MTPEm (Male)	O2MTPEf (Female) O2MTPEm (Male)	__ _ M

MTP/MPO Fiber Optic Assemblies



2xMTP-2xMTP Multi-Mode Breakout

Cable Specifications

- 16/24/48 core breakout cable construction:
Cable: 6.6 mm; Sub-unit: 2.0 mm
Cable: 8.5 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 600N
- Min. Bending Radius 90 mm
- Cable Color: OM3: Aqua, OM4: Violet



Connector Specifications



MTP-OM3 Base-8 MTP-OM4 Base-8 MTP-OM3 Base-12 MTP-OM4 Base-12 MTP-OM3 Base-24 MTP-OM4 Base-24

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 16 Fiber 2x8

Base-12 24 Fiber 2x12

Base-24 48 Fiber 2x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings



Optical Performance

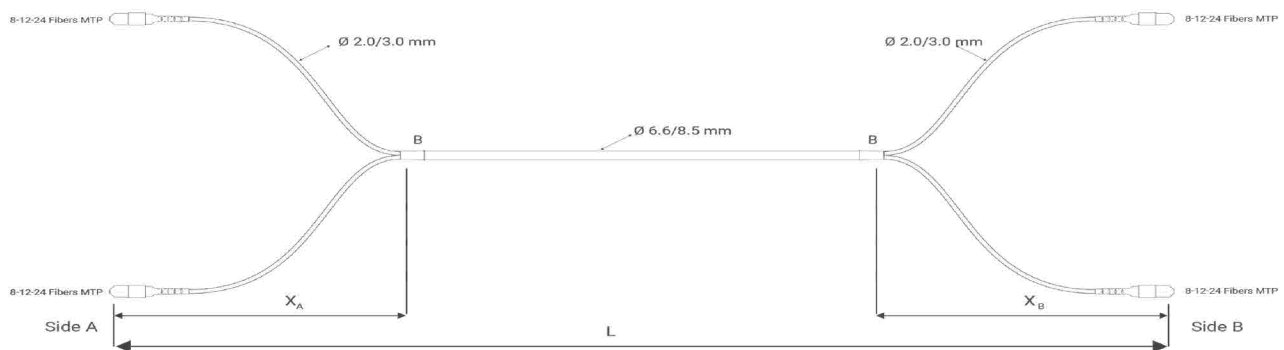
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max. Multi-Mode: 0.15 dB Typ.

Return Loss IEC 61300-3-6 Method B Multi-Mode: ≥ 20 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-31

Visual Inspection IEC 61300-3-35



Sample Coding

I - PC - 24 - MB - 662 - M4 - B - O2MTPEf - O2MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x2 Fibers: 16 12x2 Fibers: 24 24x2 Fibers: 48	MTP/Breakout: MB	6.6/2.0 mm: 662 8.5/3.0 mm: 853	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	O2MTPEf (Female) O2MTPEm (Male)	O2MTPEf (Female) O2MTPEm (Male)	--- M

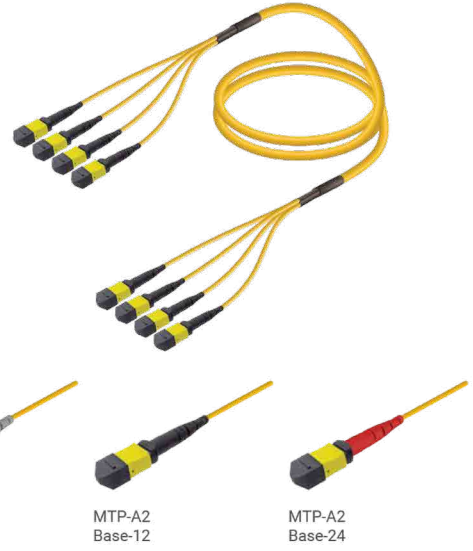
MTP/MPO Fiber Optic Assemblies



4xMTP-4xMTP Single-Mode Breakout

Cable Specifications

- 16/24/48 core breakout cable construction:
Cable: 6.6 mm; Sub-unit: 2.0 mm
Cable: 8.5 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 600N
- Min. Bending Radius 90 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 32 Fiber 4x8

Base-12 48 Fiber 4x12

Base-24 96 Fiber 4x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings

Optical Performance

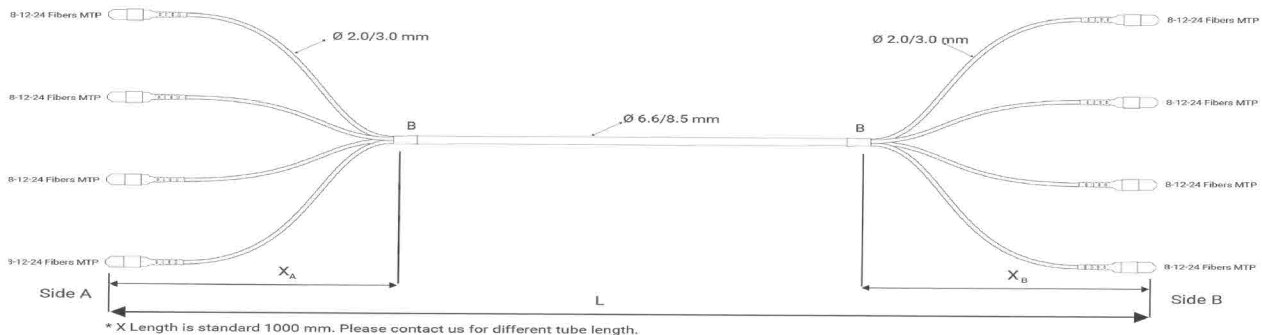
Insertion Loss Single-Mode: ≤ 0.35 dB Max.
IEC 61300-3-4 Method B 0.15 dB Typ.

Return Loss Multi-Mode: ≥ 60 dB
IEC 61300-3-6 Method B

End-face Control Parameters

Geometry Inspection IEC 61755-3-31

Visual Inspection IEC 61300-3-35



Sample Coding

I - PC - 48 - MB - 662 - A2 - B - O4MTPEf - O4MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x4 Fibers: 32 12x4 Fibers: 48 24x4 Fibers: 96	MTP/Breakout: MB	6.6/2.0 mm: 662 8.5/3.0 mm: 853	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	O4MTPEf (Female) O4MTPEm (Male)	O4MTPEf (Female) O4MTPEm (Male)	___ M

MTP/MPO Fiber Optic Assemblies



4xMTP-4xMTP Multi-Mode Breakout

Cable Specifications

- 32/48/96 core breakout cable construction:
Cable: 6.6 mm; Sub-unit: 2.0 mm
Cable: 8.5 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 600N
- Min. Bending Radius 90 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 32 Fiber 4x8

Base-12 48 Fiber 4x12

Base-24 96 Fiber 4x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings



MTP-OM3 Base-8 MTP-OM4 Base-8 MTP-OM3 Base-12 MTP-OM4 Base-12 MTP-OM3 Base-24 MTP-OM4 Base-24

Optical Performance

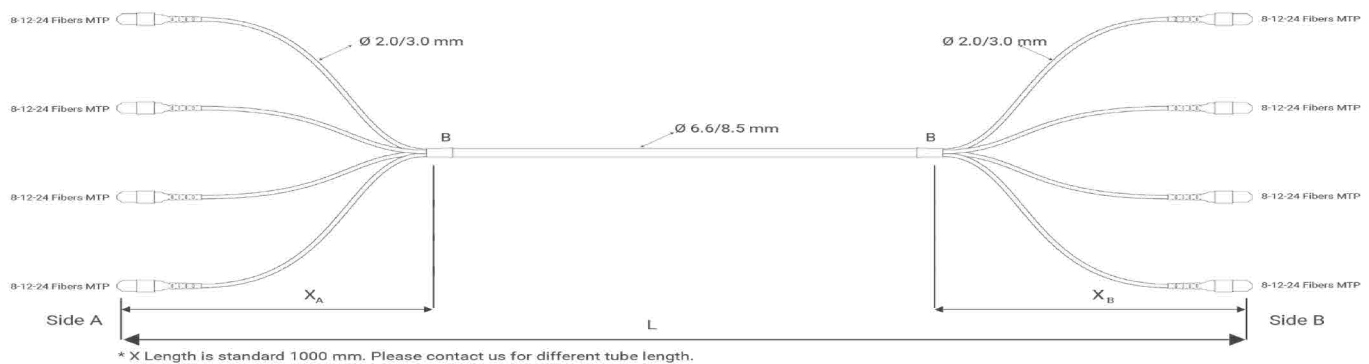
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max.
0.15 dB Typ.

Return Loss IEC61300-3-6 Method B Multi-Mode: ≥ 20 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-31

Visual Inspection IEC 61300-3-35



Sample Coding

I - PC - 48 - MB - 662 - M4 - B - O4MTPEf - O4MTPEf - OO5M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x4 Fibers: 32 12x4 Fibers: 48 24x4 Fibers: 96	MTP/Breakout: MB	6.6/2.0 mm: 662 8.5/3.0 mm: 853	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B C Polarization: C	O4MTPEf (Female) O4MTPEm (Male)	O4MTPEf (Female) O4MTPEm (Male)	--- M

MTP/MPO Fiber Optic Assemblies

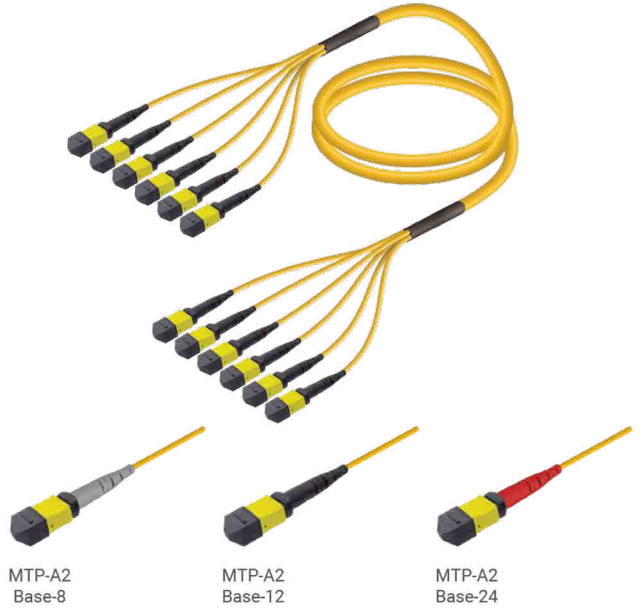


6xMTP-6xMTP Single-Mode Breakout

Cable Specifications

- 48/72/144 core breakout cable construction:
Cable: 7.6 mm; Sub-unit: 2.0 mm
Cable: 10.8 mm; Sub-unit: 3.0 mm
- CPR: Dca, s2, dO, a1
- Max. Tensile Strength: 800N
- Min. Bending Radius 110 mm
- Cable Color: OS1/OS2: Yellow

Connector Specifications



MTP-A2 Base-8

MTP-A2 Base-12

MTP-A2 Base-24

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 48 Fiber 6x8

Base-12 72 Fiber 6x12

Base-24 144 Fiber 6x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings

Optical Performance

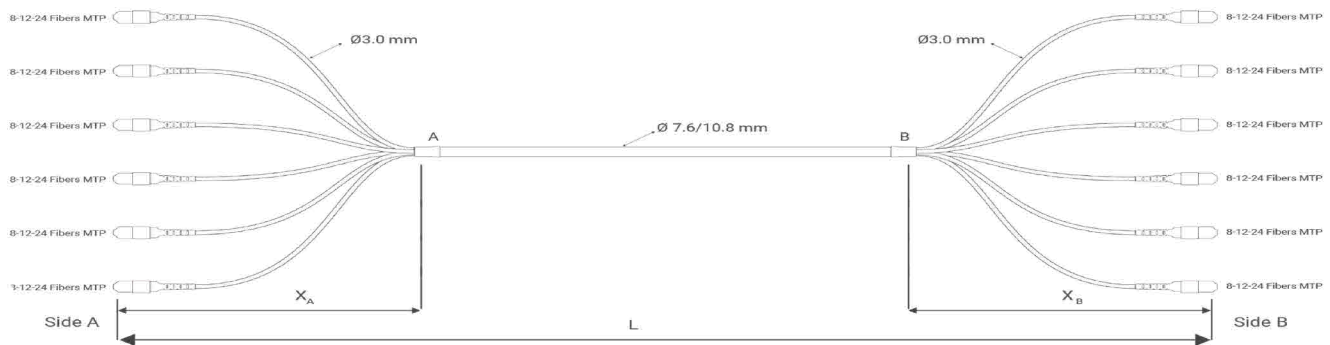
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max.
0.15 dB Typ.

Return Loss IEC61300-3-6 Method B Multi-Mode: ≥ 60 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-31

Visual Inspection IEC 61300-3-35



* X Length is standard 1000 mm. Please contact us for different tube length.

Sample Coding

I - PC - 72 - MB - 763 - A2 - B - O6MTPEf - O6MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x6 Fibers: 48 12x6 Fibers: 72 24x6 Fibers: 144	MTP/Breakout: MB	7.6/3.0 mm: 763	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	O6MTPEf (Female) O6MTPEm (Male)	O6MTPEf (Female) O6MTPEm (Male)	___ M

MTP/MPO Fiber Optic Assemblies



6xMTP-6xMTP Multi-Mode Breakout

Cable Specifications

- 48/72/144 core breakout cable construction:
Cable: 7.6 mm; Sub-unit: 2.0 mm
Cable: 10.8 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 800N
- Min. Bending Radius 110 mm
- Cable Color: OM3: Aqua, OM4: Violet



Connector Specifications



MTP-OM3 Base-8 MTP-OM4 Base-8 MTP-OM3 Base-12 MTP-OM4 Base-12 MTP-OM3 Base-24 MTP-OM4 Base-24

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 48 Fiber 6x8

Base-12 72 Fiber 6x12

Base-24 144 Fiber 6x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings



Optical Performance

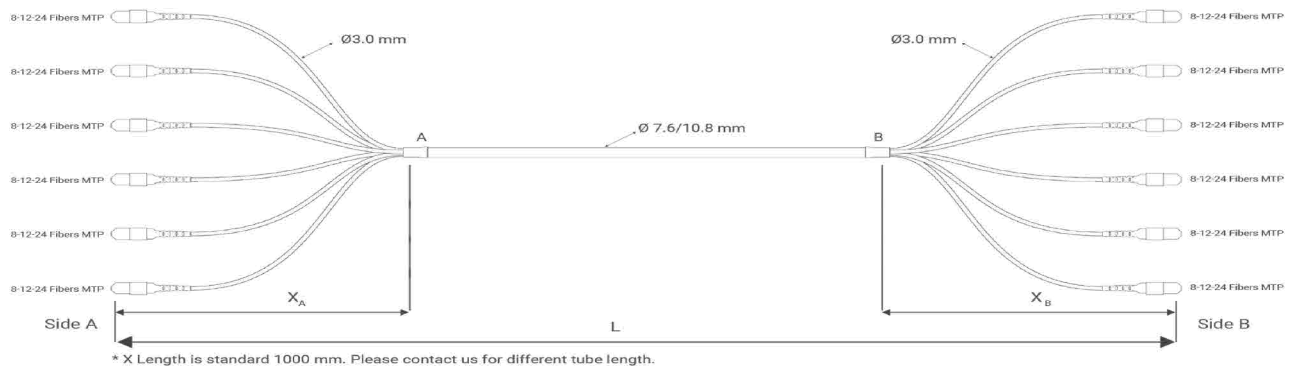
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max.
0.15 dB Typ.

Return Loss IEC61300-3-6 Method B Multi-Mode: ≥ 20 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-31

Visual Inspection IEC 61300-3-35



Sample Coding

I - PC - 72 - MB - 763 - M4 - B - O6MTPEf - O6MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x6 Fibers: 48 12x6 Fibers: 72 24x6 Fibers: 144	MTP/Breakout: MB	7.6/3.0 mm: 763	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B C Polarization: C	O6MTPEf (Female) O6MTPEm (Male)	O6MTPEf (Female) O6MTPEm (Male)	__ _ M

MTP/MPO Fiber Optic Assemblies



8xMTP-8xMTP Single-Mode Breakout

Cable Specifications

- 64/96 core breakout cable construction:
Cable: 9.6 mm; Sub-unit: 2.0 mm
Cable: 13.1 mm; Sub-unit: 3.0 mm
- CPR: Dca, s2, dO, a1
- Max. Tensile Strength: 800N
- Min. Bending Radius 90/130 mm
- Cable Color: OS1/OS2: Yellow



MTP-A2
Base-8

MTP-A2
Base-12

Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
Base-8	64 Fiber 8x8
Base-12	96 Fiber 8x12
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.2 dB typical change for > 500 matings

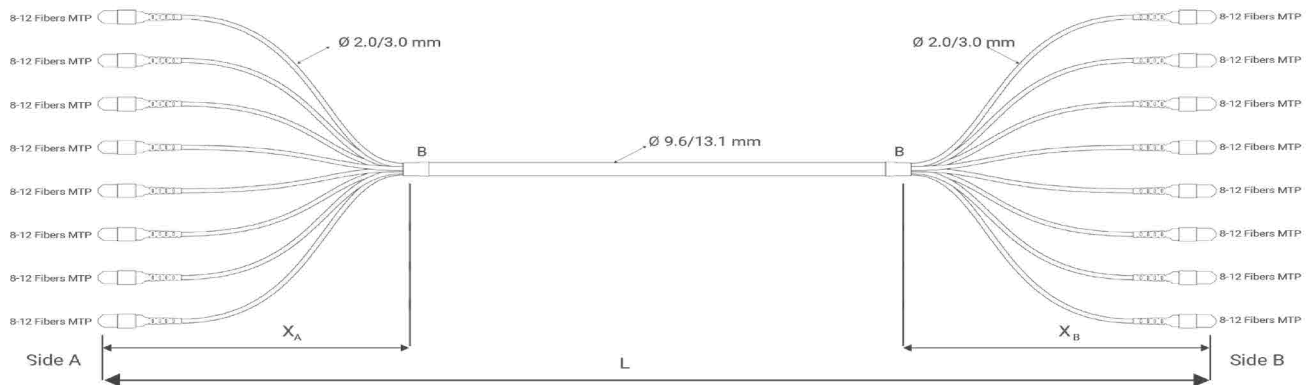


Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.35 dB Max. 0.15 dB Typ.
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 60 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-31
Visual Inspection	IEC 61300-3-35



Sample Coding * X Length is standard 1000 mm. Please contact us for different tube length.

I - PC - 96 - MB - 962 - A2 - B - 08MTPEf - 08MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x8 Fibers: 64 12x8 Fibers: 96	MTP/Breakout: MB	9.6/2.0 mm: 962 13.1/3.0 mm: 135	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	08MTPEf (Female) 08MTPEm (Male)	08MTPEf (Female) 08MTPEm (Male)	___ M

MTP/MPO Fiber Optic Assemblies

8xMTP-8xMTP Multi-Mode Breakout

Cable Specifications

- 64/96 core breakout cable construction:
Cable: 9.6 mm; Sub-unit: 2.0 mm
Cable: 13.1 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 800N
- Min. Bending Radius 90/130 mm
- Cable Color: OM3: Aqua, OM4: Violet

Connector Specifications

MTP Connector Compliance	IEC 61754-7, TIA 604-5, RoHS
Base-8	64 Fiber 8x8
Base-12	96 Fiber 8x12
Operating Temperature	-10°C to +70°C
Flammability	UL94 V-0
Durability	< 0.2 dB typical change for > 500 matings



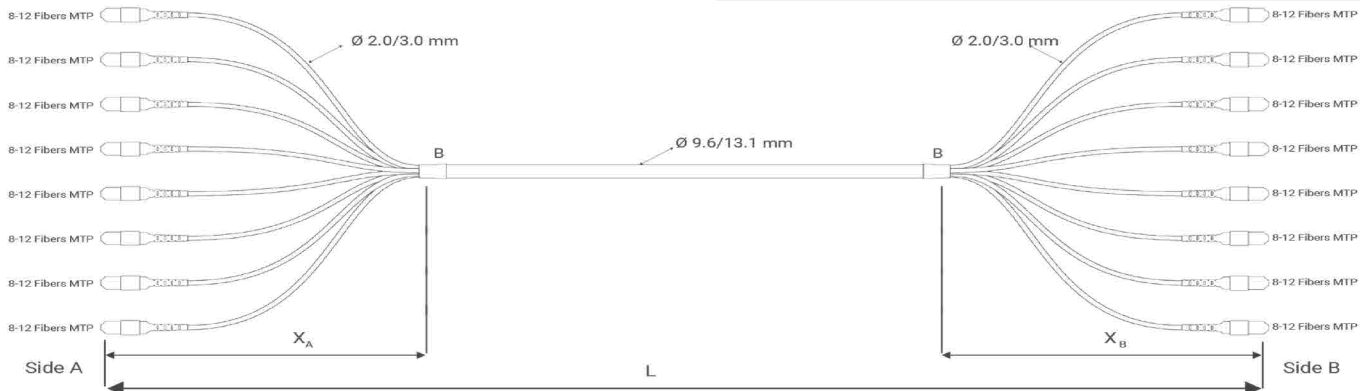
MTP-OM3 Base-8 MTP-OM4 Base-8 MTP-OM3 Base-12 MTP-OM4 Base-12

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Single-Mode: ≤ 0.35 dB Max. 0.15 dB Typ.
Return Loss IEC61300-3-6 Method B	Multi-Mode: ≥ 20 dB

End-face Control Parameters

Geometry Inspection	IEC 61755-3-31
Visual Inspection	IEC 61300-3-35



* X Length is standard 1000 mm. Please contact us for different tube length.

Sample Coding

I - PC - 96 - MB - 962 - M4 - B - O8MTPEf - O8MTPEf - OO5M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x8 Fibers: 64 12x8 Fibers: 96	MTP/Breakout: MB	9.6/2.0 mm: 962 13.1/3.0 mm: 133	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B C Polarization: C	O8MTPEf (Female) O8MTPEm (Male)	O8MTPEf (Female) O8MTPEm (Male)	--- M

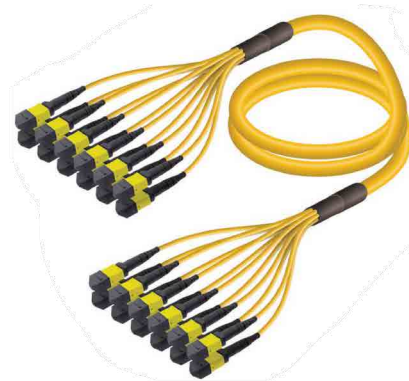
MTP/MPO Fiber Optic Assemblies



12xMTP-12xMTP Single-Mode Breakout

Cable Specifications

- 96/144/288 core breakout cable construction:
Cable: 10.3 mm; Sub-unit: 2.0 mm
Cable: 14.0 mm; Sub-unit: 3.0 mm
- CPR: Dca, s2, dO, a1
- Max. Tensile Strength: 800N
- Min. Bending Radius 110 mm
- Cable Color: OS1/OS2: Yellow



Connector Specifications

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 96 Fiber 12x8

Base-12 144 Fiber 12x12

Base-24 288 Fiber 12x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings

Optical Performance

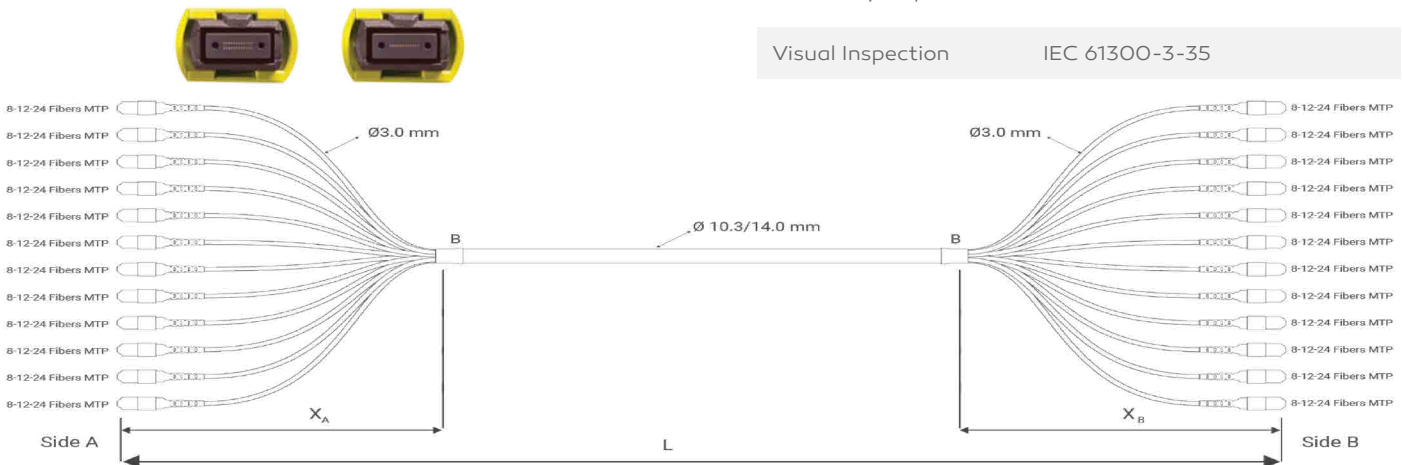
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max.
0.15 dB Typ.

Return Loss IEC61300-3-6 Method B Multi-Mode: ≥ 60 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-31

Visual Inspection IEC 61300-3-35



* X Length is standard 1000 mm. Please contact us for different tube length.

Sample Coding

I - PC - 144 - MB - 103 - A2 - B - 12MTPEf - 12MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x12 Fibers: 96 12x12 Fibers: 144 24x12 Fibers: 288	MTP/Breakout: MB	10,3/3,0 mm: 103	SM G.657 A2: A2	A Polarization: A B Polarization: B C Polarization: C	12MTPEf (Female) 12MTPEm (Male)	12MTPEf (Female) 12MTPEm (Male)	___ M

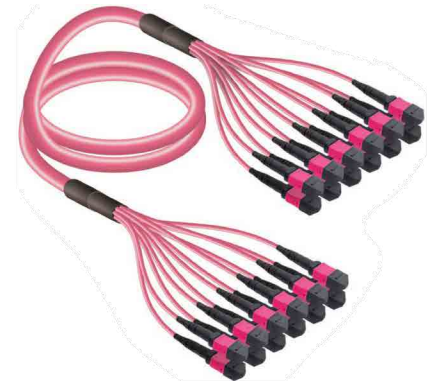
MTP/MPO Fiber Optic Assemblies



12xMTP-12xMTP Multi-Mode Breakout

Cable Specifications

- 96/144/288 core breakout cable construction:
Cable: 10.3 mm; Sub-unit: 2.0 mm
Cable: 14.0 mm; Sub-unit: 3.0 mm
- Max. Tensile Strength: 800N
- Min. Bending Radius 110 mm
- Cable Color: OM3: Aqua, OM4: Violet



MTP-OM3 Base-8 MTP-OM4 Base-8 MTP-OM3 Base-12 MTP-OM4 Base-12 MTP-OM3 Base-24 MTP-OM4 Base-24

Connector Specifications

MTP Connector Compliance IEC 61754-7, TIA 604-5, RoHS

Base-8 96 Fiber 12x8

Base-12 144 Fiber 12x12

Base-24 288 Fiber 12x24

Operating Temperature -10°C to +70°C

Flammability UL94 V-0

Durability < 0.2 dB typical change for > 500 matings



Optical Performance

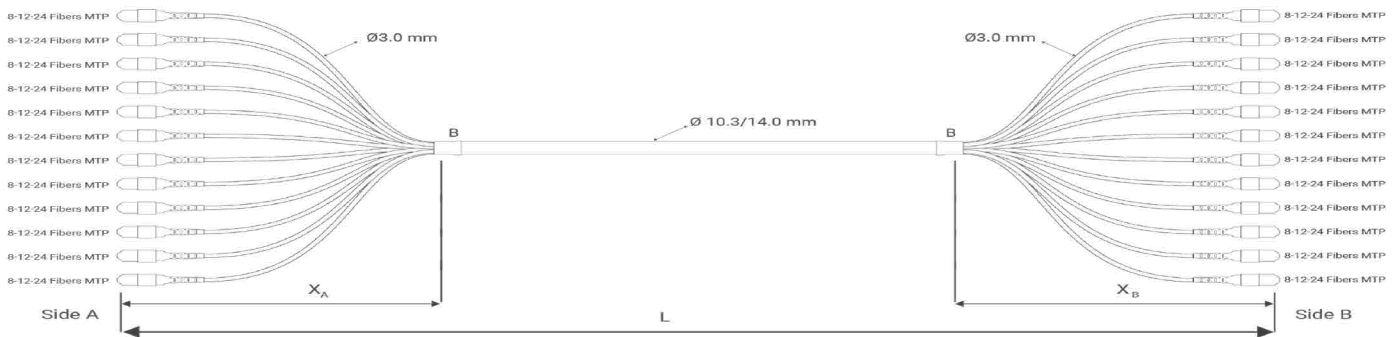
Insertion Loss IEC 61300-3-4 Method B Single-Mode: ≤ 0.35 dB Max.
0.15 dB Typ.

Return Loss IEC 61300-3-6 Method B Multi-Mode: ≥ 20 dB

End-face Control Parameters

Geometry Inspection IEC 61755-3-1

Visual Inspection IEC 61300-3-35



* X Length is standard 1000 mm. Please contact us for different tube length.

Sample Coding

I - PC - 144 - MB - 103 - M4 - B - 12MTPEf - 12MTPEf - 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	Polarization	Side A	Side B	Length
Indoor: I	Patch Cord: PC	8x12 Fibers: 96 12x12 Fibers: 144 24x12 Fibers: 288	MTP/Breakout: MB	10.3/3.0 mm: 103	MM G.651 OM3: M3 MM G.651 OM4: M4 MM G.651 OM5: M5	A Polarization: A B Polarization: B C Polarization: C	12MTPEf (Female) 12MTPEm (Male)	12MTPEf (Female) 12MTPEm (Male)	___ M



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