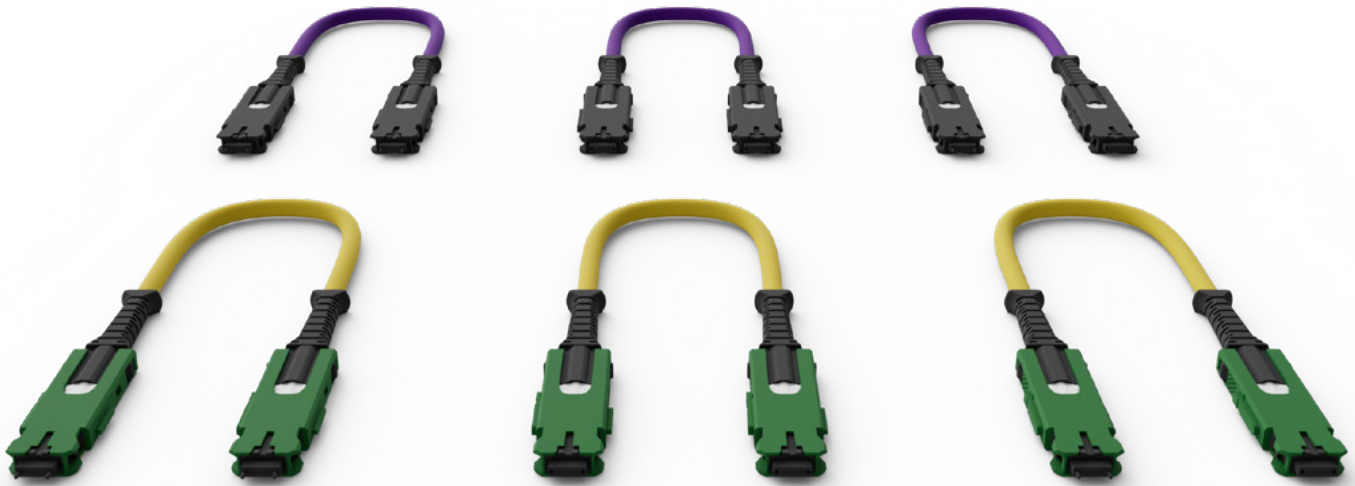


Elevate Very Small Form Factor (VSFF) SN-MT Patch Cord



Product Overview

The Elevate range of SN-MT to SN-MT cable assemblies is a key component of Excel's high-density MPO cassette and patching solution. SN-MT 12 and SN-MT 16 assemblies extend the SN connector family by incorporating a single, compact SN-MT ferrule. This ferrule accommodates either 12 fibres at 250 μm or 16 fibres at 200 μm in a single row, enabling exceptional density.

Compared to standard MPO connections, the SN-MT design delivers up to 2.7 times greater fibre density while maintaining the same proven alignment principles. This ensures consistent, low-loss performance for both singlemode and multimode APC applications. By combining high-density capability with reliable optical performance, SN-MT assemblies provide the optimised patch-panel density demanded by today's hyperscale data centres.

✓ Low Loss Connectors

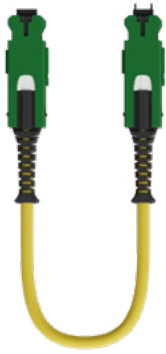
✓ 100% Optically Tested

✓ 2mm Duplex Round Cable

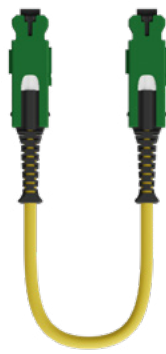
✓ Singlemode APC and Multimode

✓ 25 year system warranty

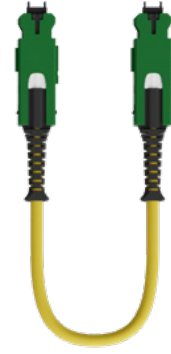
Available Options:



Singlemode APC: Female-to-Male



Singlemode APC: Female-to-Female



Singlemode APC: Male-to-Male



Multimode: Female-to-Male



Multimode: Female-to-Female



Multimode: Male-to-Male

Product Specifications

| Feature | Values | |
|--|-----------------------------|----------------------------------|
| Fibre type | Singlemode / Multimode | |
| Category | OS2 / OM4 | |
| APC | Yes (OS2) / No (OM4) | |
| Number of Cores | 8 / 16 | |
| Outer diameter sheath single fibre | 2 mm | |
| Cable type | Round | |
| Length | 1 m / 2 m / 3 m / 5 m | |
| Type of connector connection 1 | SN-MT MALE / SN-MT FEMALE | |
| Type of connector connection 2 | SN-MT MALE / SN-MT FEMALE | |
| Outer sheath colour | Yellow (OS2) / Violet (OM4) | |
| Strain relief boot | Push-on | |
| Flame retardant according to IEC 60332-1-2 | Yes | |
| Low smoke (acc. IEC 61034-2) | Yes | |
| Cable | | |
| | Singlemode | Multimode |
| Glass Type | 2 x 200um Corning SMF-28 | 2 x 250um Corning ClearCurve OM4 |
| Outer Jacket Thickness | ≥ 0.45mm | |
| Aramid Yarn | 3 x 1000D | |
| Boot Colour | White | |

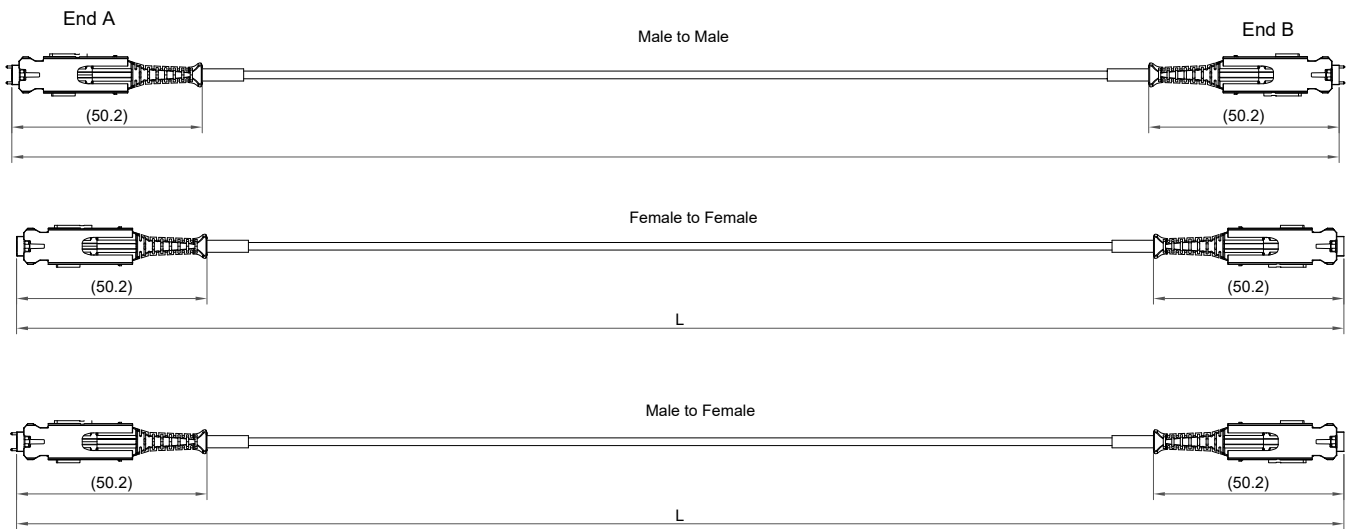
Product Specifications

| Feature | Values | |
|-----------------------------|-----------------------------|-----------|
| SN-MT Connector | | |
| | Optical Data | |
| | Singlemode | Multimode |
| Typical Insertion Loss (dB) | 0.15 | 0.15 |
| Max. Insertion Loss (dB) | 0.35 | 0.35 |
| Typical Return Loss (dB) | ≥60 | ≥45 |
| | Mechanical Data | |
| Durability | 50 matings per GR-1435-Core | |
| Fibre Count | Multi-fibre 12 or 16 | |
| Cable Suitability | 2.0mm | |
| Ferrule Material | Polymer | |
| Dust Protection Method | Removable dust plugs | |
| | Environmental Data | |
| Operating Temperature | -40°C to +75°C | |
| RoHS Compliance | 2015/863 RoHS | |
| REACH Compliance | Yes | |
| Free of Halogen | Yes | |
| Humidity Resistance | 0.95 | |

Applicable Standards

| Standard | Detail |
|------------------------------------|--|
| BS EN 60332-1-2:2004+A11:2016 | Tests on electric and optical fibre cables under fire conditions - Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame |
| IEC 60793-1-1:2022 | Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance |
| IEC 60793-2:2015 | Optical fibres - Part 2: Product specifications - General |
| IEC 60793-2-10:2017 | Sectional specification for A1 multimode fibres |
| IEC 60793-1-20:2014 | Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry |
| IEC 60793-1-21:2001 | Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry |
| IEC 60793-1-22:2001 | Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement |
| IEC 60793-1-30:2010 | Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test |
| IEC 60793-1-31:2010 | Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength |
| ITU-T G.652:2016 | Characteristics of a single-mode optical fibre and cable |
| ITU-T G.657:2016 | Characteristics of a bending-loss insensitive single-mode optical fibre and cable |
| EN 50173-1:2018 | Information technology. Generic cabling systems - General requirements |
| EN 50173-2:2007 + A1:2010 | Information technology. Generic cabling systems - Office premises |
| IEC 61754-1:2013 | Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance |
| IEC 61754-2:1996 | Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family |
| ISO/IEC 11801-1:2017 | Information technology - Generic cabling for customer premises: Part 1 General Requirements |
| Directive 2008/98/EC (WFD) | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988). |
| ECHA SCIP Database | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH. |
| Regulation (EU) 2019/1021 (POPs) | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355). |
| Directive 2011/65/EU (RoHS II) | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states. |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant. |
| UK SI 2012 No. 3032 | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

Product Drawing



Part Number Table



| Part Number | Description |
|-------------|--|
| 12F | |
| 325-001 | Elevate SN-MT Male - SN-MT Male 12F APC 2.0mm Round Duplex Patch Cord 1m Yellow |
| 325-002 | Elevate SN-MT Male - SN-MT Male 12F APC 2.0mm Round Duplex Patch Cord 2m Yellow |
| 325-003 | Elevate SN-MT Male - SN-MT Male 12F APC 2.0mm Round Duplex Patch Cord 3m Yellow |
| 325-005 | Elevate SN-MT Male - SN-MT Male 12F APC 2.0mm Round Duplex Patch Cord 5m Yellow |
| 325-201 | Elevate SN-MT Female -SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 1m Yellow |
| 325-202 | Elevate SN-MT Female -SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 2m Yellow |
| 325-203 | Elevate SN-MT Female -SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 3m Yellow |
| 325-205 | Elevate SN-MT Female -SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 5m Yellow |
| 325-401 | Elevate SN-MT Male - SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 1m Yellow |
| 325-402 | Elevate SN-MT Male - SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 2m Yellow |
| 325-403 | Elevate SN-MT Male - SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 3m Yellow |
| 325-405 | Elevate SN-MT Male - SN-MT Female 12F APC 2.0mm Round Duplex Patch Cord 5m Yellow |
| 16F | |
| 324-001 | Elevate SN-MT Male - SN-MT Male 16F APC 2.0mm Round Duplex Patch Cord 1m Yellow |
| 324-002 | Elevate SN-MT Male - SN-MT Male 16F APC 2.0mm Round Duplex Patch Cord 2m Yellow |
| 324-003 | Elevate SN-MT Male - SN-MT Male 16F APC 2.0mm Round Duplex Patch Cord 3m Yellow |
| 324-005 | Elevate SN-MT Male - SN-MT Male 16F APC 2.0mm Round Duplex Patch Cord 5m Yellow |
| 324-201 | Elevate SN-MT Female -SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 1m Yellow |
| 324-202 | Elevate SN-MT Female -SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 2m Yellow |
| 324-203 | Elevate SN-MT Female -SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 3m Yellow |
| 324-205 | Elevate SN-MT Female -SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 5m Yellow |
| 324-401 | Elevate SN-MT Male - SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 1m Yellow |
| 324-402 | Elevate SN-MT Male - SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 2m Yellow |
| 324-403 | Elevate SN-MT Male - SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 3m Yellow |
| 324-405 | Elevate SN-MT Male - SN-MT Female 16F APC 2.0mm Round Duplex Patch Cord 5m Yellow |

Available in Multimode