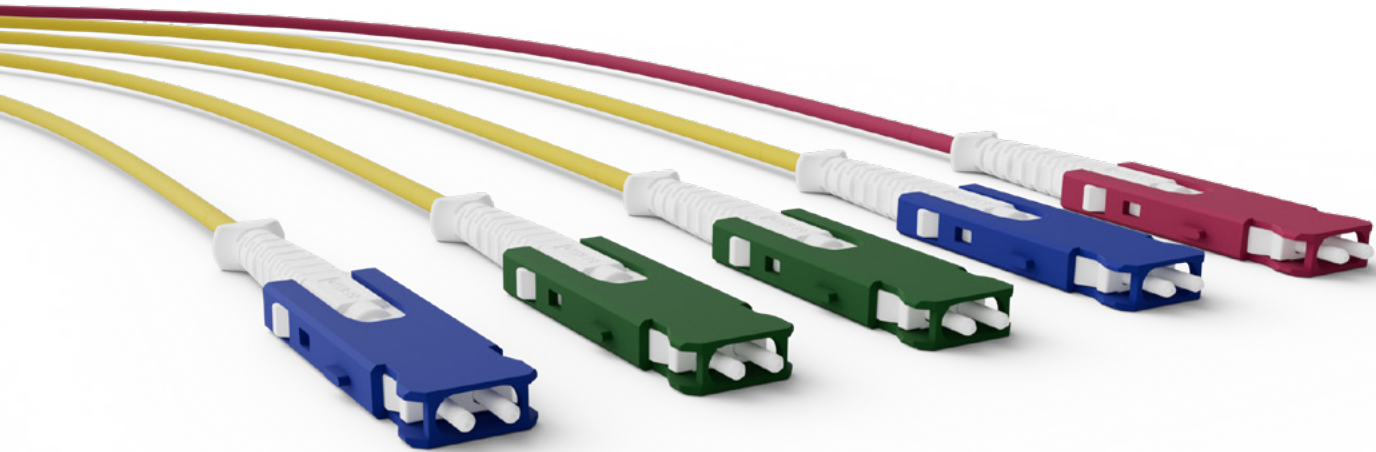


Elevate Very Small Form Factor (VSFF) SN Patch Cords



Product Overview

The Elevate range of SN-to-SN cable assemblies forms an integral part of Excel's high-density MPO cassette and patching solution. Each assembly is manufactured using Senko low-loss SN connectors and 2 mm round duplex LSZH cable as standard.

The SN series offers a ferrule-based alternative to MPO, delivering enhanced flexibility and extended reach while reducing overall cost of ownership. By simplifying installation and providing a less complex solution compared to traditional MPO systems, SN assemblies enable efficient, high-performance connectivity for modern data centre environments.

✓ Low Loss Connectors

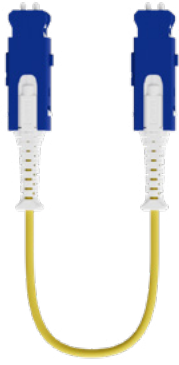
✓ 100% Optically Tested

✓ 2mm Duplex Round Cable

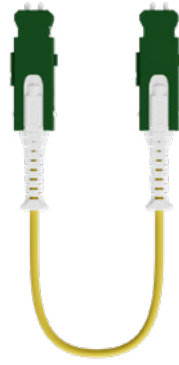
✓ Available in OS2/OM4

✓ 25 year system warranty

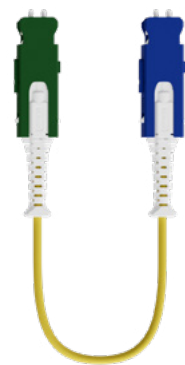
Available Options:



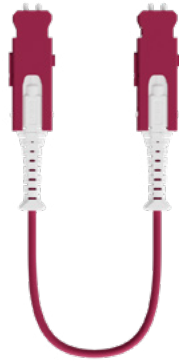
OS2



APC to APC



APC to OS2



OM4

Product Specifications

Feature	Values		
	Singlemode	Multimode	
Fibre type	OS2	OM4	
Category	OS2	OM4	
Number of Cores	2		
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 of Choice		
Type of connector connection 2	SN of Choice		
Outer sheath colour	Yellow / Violet		
Strain relief boot	Push-On		
Flame retardant according to IEC 60332-1-2	Yes		
Low smoke (acc. IEC 61034-2)	Yes		
	Singlemode	APC	Multimode
Insertion loss (dB)	0.05	0.07	0.05
Maximum insertion Loss (dB)	0.15	0.15	0.15
Typical Return Loss Db	≥ 55	≥ 65	≥ 25
Ferrule Diameter(um)	125.5	125.5	127
Outer Jacket Thickness	≥ 0.45mm		
Aramid Yarn	3 x 1000D		
Glass Type	2 x 250um Corning SMF-28	2 x 250um Corning SMF-28	2 x 250um Corning ClearCurve OM4
Boot Colour	White		

Applicable Standards

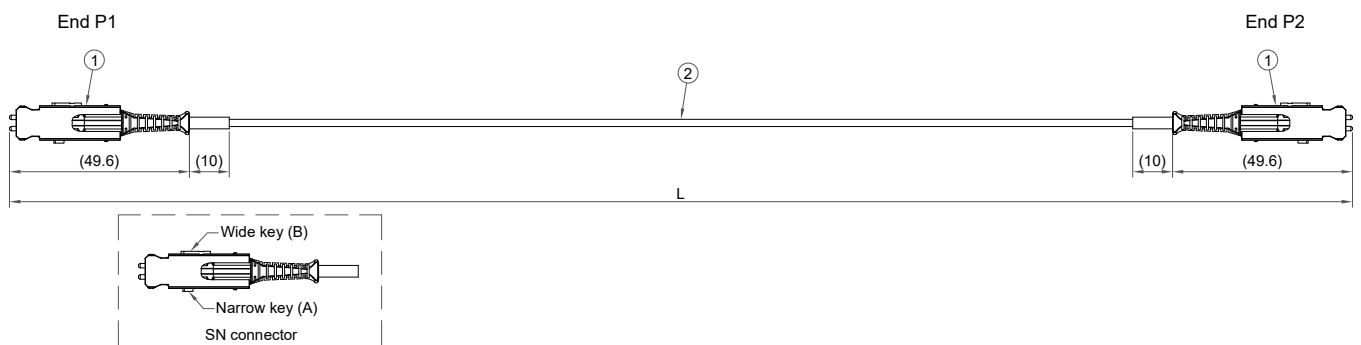
Standard	Detail
BS EN 60332-1-2:2004+A11:2016	Tests on electric and optical fibre cables under fire conditions - Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame
IEC 60793-1-1:2022	Optical fibres - Part 1-1: Measurement methods and test procedures - 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

Polarity: A-to-A, B-to-B

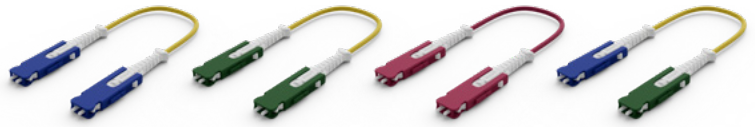
Fibre Path Way

Cable	End P1	End P2
Fibre Number	Ferrule Position	Ferrule Position
1	Wide Key (B)	Wide Key (B)
2	Narrow Key (A)	Narrow Key (A)



Length (L)	Length Tolerance
$L < 1m$	+50mm / -0
$1m \leq L \leq 10m$	+100mm / -0
$L > 10m$	+1%*L / 0

Part Number Table



Part Number	Description
OS2	
223-001	Elevate SNUPC-SNUPC 2.0mm G657A1 Round Duplex Patch Cord 1m Yellow
223-002	Elevate SNUPC-SNUPC 2.0mm G657A1 Round Duplex Patch Cord 2m Yellow
223-003	Elevate SNUPC-SNUPC 2.0mm G657A1 Round Duplex Patch Cord 3m Yellow
223-005	Elevate SNUPC-SNUPC 2.0mm G657A1 Round Duplex Patch Cord 5m Yellow
OS2: APC to APC	
223-101	Elevate SNAPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 1m Yellow
223-102	Elevate SNAPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 2m Yellow
223-103	Elevate SNAPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 3m Yellow
223-105	Elevate SNAPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 5m Yellow
OS2: UPC to APC	
223-201	Elevate SNUPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 1m Yellow
223-202	Elevate SNUPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 2m Yellow
223-203	Elevate SNUPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 3m Yellow
223-205	Elevate SNUPC-SNAPC 2.0mm G657A1 Round Duplex Patch Cord 5m Yellow
OM4	
224-001	Elevate SNUPC-SNUPC 2.0mm OM4 Round Duplex Patch Cord 1m Violet
224-002	Elevate SNUPC-SNUPC 2.0mm OM4 Round Duplex Patch Cord 2m Violet
224-003	Elevate SNUPC-SNUPC 2.0mm OM4 Round Duplex Patch Cord 3m Violet
224-005	Elevate SNUPC-SNUPC 2.0mm OM4 Round Duplex Patch Cord 5m Violet