

Elevate Very Small Form Factor (VSFF) SN HD Cassettes



Product Overview

Elevate High-Density VSFF Cassettes are engineered to deliver maximum fibre connectivity within space-constrained data centre environments. Each cassette provides 16 to 32 fibre connections, featuring SN connectors on the front for patching and 8F MPO connectors on the rear for efficient backbone integration. Designed to support both multimode fibre and singlemode APC, these cassettes ensure high optical performance across a range of applications. Available in black or white finishes, they combine functionality with a clean, professional aesthetic for modern high-density deployments.

- ✓ 16 & 32 fibre connectivity
- ✓ SN external connectors
- ✓ MPO interior connectors
- ✓ Singlemode/Multimode Options
- ✓ ANSI A pin assignment
- ✓ Compatible with Elevate Base8 or Base16 High Density Chassis
- ✓ 25 year system warranty

Product Specifications

Feature	Values
Suitable for number of fibre cores	16 / 32
Loaded with number of couplings/adaptors	4 / 8
Fibre type	Singlemode / Multimode
Fibre class	OS2 / OM4
APC-type	No / Yes / No
Type of connector external	SN
Type of connector interior	MPO
Colour	White / Black
RAL-number	9003 / 9004
Base8 16F	2 x MPO 8F male / female (keyup)
Rear connectivity	
Base8 32F	4 x MPO 8F male / female (keyup)
Rear connectivity colour	Black
MPO Typical Insertion loss	0.15dB
MPO Maximum Insertion loss	0.25dB
MPO Return loss	>60dB
SN Insertion loss	0.1dB
SN Maximum Insertion loss	0.2dB
Front connectivity	SN
Front connectivity colour	Violet (OM4), Blue (OS2) or Green (APC)
Laser dispersal shutter	No
Operating temperature	-20°C to +70°C
Storage temperature	-20°C to +85°C

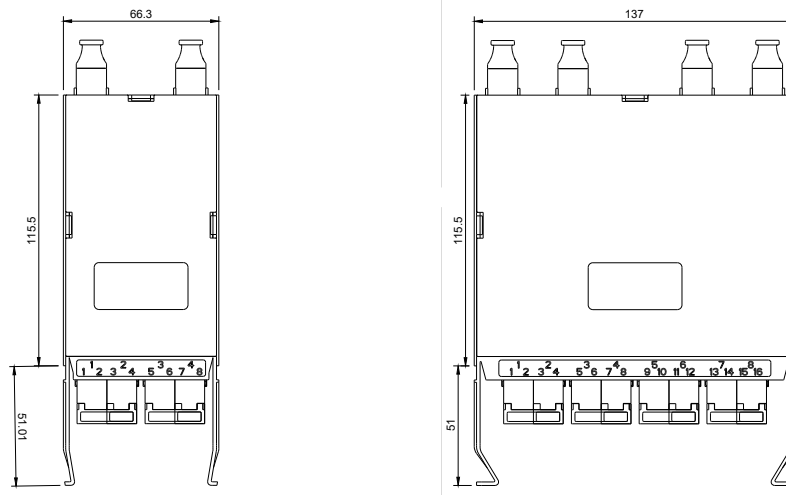
Product Specifications

Feature	Values
Mechanical Data SN Adaptor	
Durability	500 matings per TIA-568
Fixing Method	Snap-fit (adaptor without flange)
Housing Material Type	Plastic
Fixing Spring Material Type	Metal stainless steel
Sleeve Material	Zirconia
Dust Protection Method	Removable dust plugs
Environmental Data SN Adaptor	
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
IEC 61754-7-1	MPO Connector Standard
EN 60794-1-1:2016: ISO/IEC 11801 ITU-T G.652	Fibre Standards – OS2/OS4
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
APC	
208-301	Elevate High Density APC 16F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette White
208-301-BK	Elevate High Density APC 16F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette Black
208-311	Elevate High Density APC 32F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette White
208-311-BK	Elevate High Density APC 32F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette Black
OS2	
208-300	Elevate High Density OS2 16F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette White
208-300-BK	Elevate High Density OS2 16F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette Black
208-310	Elevate High Density OS2 32F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette White
208-310-BK	Elevate High Density OS2 32F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette Black
OM4	
208-302	Elevate High Density OM4 16F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette White
208-302-BK	Elevate High Density OM4 16F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette Black
208-312	Elevate High Density OM4 32F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette White
208-312-BK	Elevate High Density OM4 32F Loaded with SN 8F 4 Channel Adaptors Base8 Cassette Black