

# Elevate High Density Fibre Optic Cassettes

## Singlemode, Base8



### Product Overview

The Elevate Singlemode Base8 cassette forms part of a modular high-density fibre solution, designed to support efficient connectivity in rack mount environments. Utilising Senko low loss MPO connectors, the cassette transitions from a rear Base8 MPO interface to LC shuttered adaptors at the front patching field, ensuring reliable performance for modern high-speed singlemode applications. When combined with a compatible high density patch panel chassis, the solution enables optimised fibre management and scalability within minimal rack space.

- ✓ High density 8, 16 & 24 fibre LC to MPO cassette
- ✓ Senko low loss MPO plus male
- ✓ 8, 16 & 24 fibre MPO at rear
- ✓ Access test data via online Test Trace
- ✓ Compatible with Elevate High Density Chassis
- ✓ Singlemode OS2 and APC



Please note that this datasheet focuses on the range of Elevate OS2 Base8 Fibre Optic Cassettes. Datasheets for other options can be found on the Elevate website

## Product Specifications

| Feature                    | Values                            |
|----------------------------|-----------------------------------|
| Number of fibres           | 8, 16, 24                         |
| Fibre type                 | OS2                               |
| Rear connectivity          |                                   |
| Base8 8F                   | 1 x MPO 8F male / female (keyup)  |
| Base8 16F                  | 2 x MPO 8F male / female (keyup)  |
| Base8 24F                  | 3 x MPO 8F male / female (keyup)  |
| Rear connectivity colour   | Black                             |
| Cassette colour            | White (RAL9003), Black (RAL 9004) |
| MPO Typical Insertion loss | 0.15dB                            |
| MPO Maximum Insertion loss | 0.25dB                            |
| MPO Return loss            | >60dB                             |
| LC Insertion loss          | <0.25dB                           |
| LC Return loss             | >55dB                             |
| Front connectivity         | LC (Key up)                       |
| Front connectivity colour  | Blue or Green (APC)               |
| Laser dispersal shutter    | Yes                               |
| Operating temperature      | -20 to +70                        |
| Storage temperature        | -20 to +85                        |

# Product Features Explained



All Elevate MPO solutions are built on Senko low loss, best in class connectivity.



Each cassette is factory tested and test data is accessed via the QR code attached to the cassette and our test trace portal.

**The Elevate Cassettes are compatible with the Elevate High Density Chassis. Chassis Part Number Range - 208-4XX**

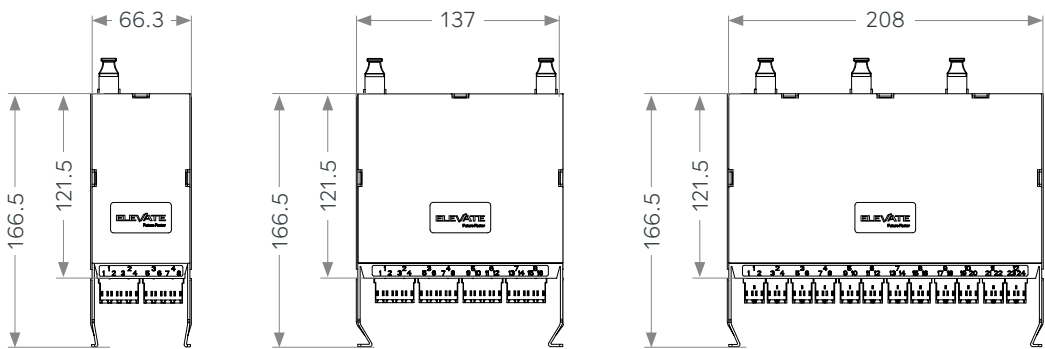


Also available in white.

A full range of chassis are available:



## Product Drawing

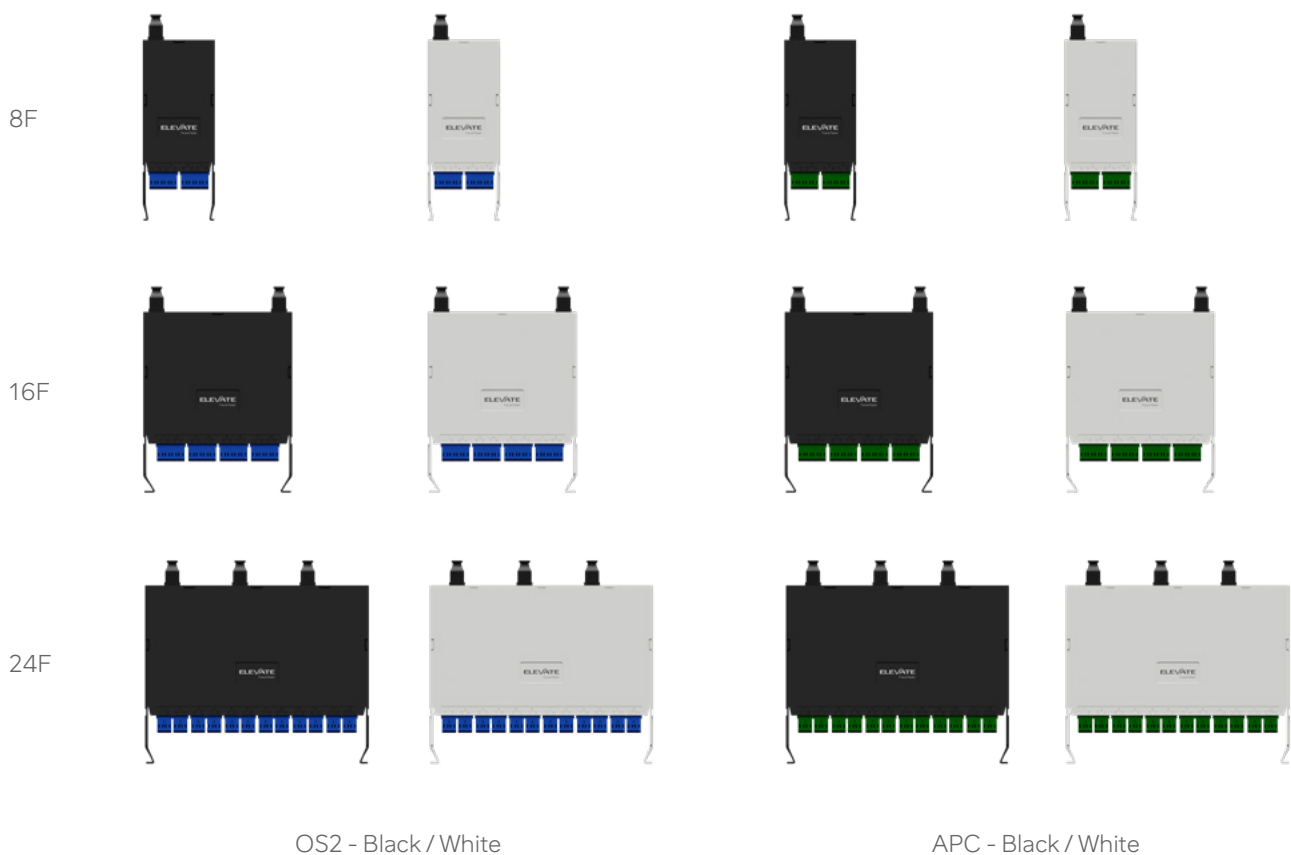


## Applicable standards

Compliance with International Standards ISO 11801, EN 50173 and ANSI/TIA 568-E, necessitates that this product/component adheres to all relevant normative references specified within these standards.

| Standard                           | Detail                                                                                                                                                                                                                                                                   |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

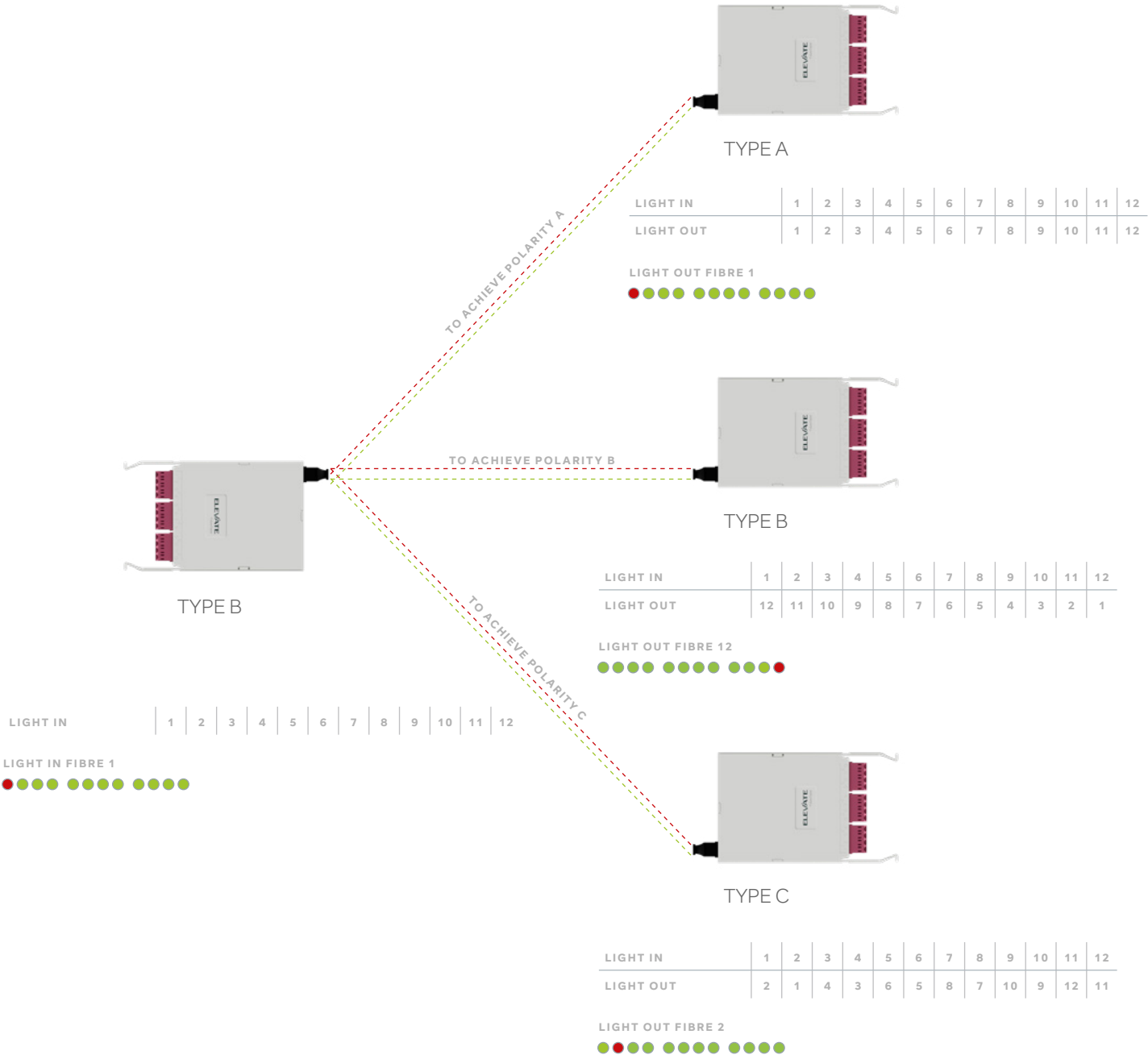
Elevate High Density Fibre Optic Singlemode Base8 Cassettes are available in OS2 and APC, in both black and white:



To Achieve Correct Polarity

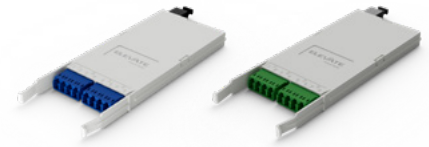
Trunk cable

| To achieve the correct polarity use standard Method B female trunks |                                |                                |
|---------------------------------------------------------------------|--------------------------------|--------------------------------|
| Polarity A                                                          | Polarity B                     | Polarity C                     |
| Cassette 1 use cassette Type B                                      | Cassette 1 use cassette Type B | Cassette 1 use cassette Type B |
| Cassette 2 use cassette Type A                                      | Cassette 2 use cassette Type B | Cassette 2 use cassette Type C |



Polarity illustration shown is representative. The same Method B trunk polarity applies across all Elevate HD Fibre Cassette variants, including Base 8, 12, 16 and 24 in both singlemode and multimode configurations.

## Part Number Table: Singlemode - Base8 - Male



Also available in black.

| Part Number       | Description                                                                  |
|-------------------|------------------------------------------------------------------------------|
| <b>8F - OS2</b>   |                                                                              |
| 208-391-TYPE-A    | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO male Cassette Type A White   |
| 208-391-TYPE-B    | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO male Cassette Type B White   |
| 208-391-TYPE-C    | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO male Cassette Type C White   |
| 208-391-TYPE-A-BK | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO male Cassette Type A Black   |
| 208-391-TYPE-B-BK | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO male Cassette Type B Black   |
| 208-391-TYPE-C-BK | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO male Cassette Type C Black   |
| <b>8F - APC</b>   |                                                                              |
| 208-470-TYPE-A    | Elevate High Density Base8 - 8 Fibre APC LCA-MPO male Cassette Type A White  |
| 208-470-TYPE-B    | Elevate High Density Base8 - 8 Fibre APC LCA-MPO male Cassette Type B White  |
| 208-470-TYPE-C    | Elevate High Density Base8 - 8 Fibre APC LCA-MPO male Cassette Type C White  |
| 208-470-TYPE-A-BK | Elevate High Density Base8 - 8 Fibre APC LCA-MPO male Cassette Type A Black  |
| 208-470-TYPE-B-BK | Elevate High Density Base8 - 8 Fibre APC LCA-MPO male Cassette Type B Black  |
| 208-470-TYPE-C-BK | Elevate High Density Base8 - 8 Fibre APC LCA-MPO male Cassette Type C Black  |
| <b>16F - OS2</b>  |                                                                              |
| 208-397-TYPE-A    | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO male Cassette Type A White  |
| 208-397-TYPE-B    | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO male Cassette Type B White  |
| 208-397-TYPE-C    | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO male Cassette Type C White  |
| 208-397-TYPE-A-BK | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO male Cassette Type A Black  |
| 208-397-TYPE-B-BK | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO male Cassette Type B Black  |
| 208-397-TYPE-C-BK | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO male Cassette Type C Black  |
| <b>16F - APC</b>  |                                                                              |
| 208-471-TYPE-A    | Elevate High Density Base8 - 16 Fibre APC LCA-MPO male Cassette Type A White |
| 208-471-TYPE-B    | Elevate High Density Base8 - 16 Fibre APC LCA-MPO male Cassette Type B White |
| 208-471-TYPE-C    | Elevate High Density Base8 - 16 Fibre APC LCA-MPO male Cassette Type C White |
| 208-471-TYPE-A-BK | Elevate High Density Base8 - 16 Fibre APC LCA-MPO male Cassette Type A Black |
| 208-471-TYPE-B-BK | Elevate High Density Base8 - 16 Fibre APC LCA-MPO male Cassette Type B Black |
| 208-471-TYPE-C-BK | Elevate High Density Base8 - 16 Fibre APC LCA-MPO male Cassette Type C Black |

| Part Number       | Description                                                                  |
|-------------------|------------------------------------------------------------------------------|
| <b>24F - OS2</b>  |                                                                              |
| 208-399-TYPE-A    | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO male Cassette Type A White  |
| 208-399-TYPE-B    | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO male Cassette Type B White  |
| 208-399-TYPE-C    | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO male Cassette Type C White  |
| 208-399-TYPE-A-BK | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO male Cassette Type A Black  |
| 208-399-TYPE-B-BK | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO male Cassette Type B Black  |
| 208-399-TYPE-C-BK | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO male Cassette Type C Black  |
| <b>24F - APC</b>  |                                                                              |
| 208-472-TYPE-A    | Elevate High Density Base8 - 24 Fibre APC LCA-MPO male Cassette Type A White |
| 208-472-TYPE-B    | Elevate High Density Base8 - 24 Fibre APC LCA-MPO male Cassette Type B White |
| 208-472-TYPE-C    | Elevate High Density Base8 - 24 Fibre APC LCA-MPO male Cassette Type C White |
| 208-472-TYPE-A-BK | Elevate High Density Base8 - 24 Fibre APC LCA-MPO male Cassette Type A Black |
| 208-472-TYPE-B-BK | Elevate High Density Base8 - 24 Fibre APC LCA-MPO male Cassette Type B Black |
| 208-472-TYPE-C-BK | Elevate High Density Base8 - 24 Fibre APC LCA-MPO male Cassette Type C Black |



Also available in black.

## Part Number Table: Singlemode - Base8 - Female

| Part Number       | Description                                                                   |
|-------------------|-------------------------------------------------------------------------------|
| <b>8F - OS2</b>   |                                                                               |
| 208-291-TYPE-A    | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO Female Cassette Type A White  |
| 208-291-TYPE-B    | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO Female Cassette Type B White  |
| 208-291-TYPE-C    | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO Female Cassette Type C White  |
| 208-291-TYPE-A-BK | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO Female Cassette Type A Black  |
| 208-291-TYPE-B-BK | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO Female Cassette Type B Black  |
| 208-291-TYPE-C-BK | Elevate High Density Base8 - 8 Fibre OS2 LC-MPO Female Cassette Type C Black  |
| <b>8F - APC</b>   |                                                                               |
| 208-483-TYPE-A    | Elevate High Density Base8 - 8 Fibre APC LCA-MPO Female Cassette Type A White |
| 208-483-TYPE-B    | Elevate High Density Base8 - 8 Fibre APC LCA-MPO Female Cassette Type B White |
| 208-483-TYPE-C    | Elevate High Density Base8 - 8 Fibre APC LCA-MPO Female Cassette Type C White |
| 208-483-TYPE-A-BK | Elevate High Density Base8 - 8 Fibre APC LCA-MPO Female Cassette Type A Black |
| 208-483-TYPE-B-BK | Elevate High Density Base8 - 8 Fibre APC LCA-MPO Female Cassette Type B Black |
| 208-483-TYPE-C-BK | Elevate High Density Base8 - 8 Fibre APC LCA-MPO Female Cassette Type C Black |

| Part Number       | Description                                                                    |
|-------------------|--------------------------------------------------------------------------------|
| <b>16F - OS2</b>  |                                                                                |
| 208-297-TYPE-A    | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO Female Cassette Type A White  |
| 208-297-TYPE-B    | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO Female Cassette Type B White  |
| 208-297-TYPE-C    | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO Female Cassette Type C White  |
| 208-297-TYPE-A-BK | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO Female Cassette Type A Black  |
| 208-297-TYPE-B-BK | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO Female Cassette Type B Black  |
| 208-297-TYPE-C-BK | Elevate High Density Base8 - 16 Fibre OS2 LC-MPO Female Cassette Type C Black  |
| <b>16F - APC</b>  |                                                                                |
| 208-476-TYPE-A    | Elevate High Density Base8 - 16 Fibre APC LCA-MPO Female Cassette Type A White |
| 208-476-TYPE-B    | Elevate High Density Base8 - 16 Fibre APC LCA-MPO Female Cassette Type B White |
| 208-476-TYPE-C    | Elevate High Density Base8 - 16 Fibre APC LCA-MPO Female Cassette Type C White |
| 208-476-TYPE-A-BK | Elevate High Density Base8 - 16 Fibre APC LCA-MPO Female Cassette Type A Black |
| 208-476-TYPE-B-BK | Elevate High Density Base8 - 16 Fibre APC LCA-MPO Female Cassette Type B Black |
| 208-476-TYPE-C-BK | Elevate High Density Base8 - 16 Fibre APC LCA-MPO Female Cassette Type C Black |
| <b>24F - OS2</b>  |                                                                                |
| 208-299-TYPE-A    | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO Female Cassette Type A White  |
| 208-299-TYPE-B    | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO Female Cassette Type B White  |
| 208-299-TYPE-C    | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO Female Cassette Type C White  |
| 208-299-TYPE-A-BK | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO Female Cassette Type A Black  |
| 208-299-TYPE-B-BK | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO Female Cassette Type B Black  |
| 208-299-TYPE-C-BK | Elevate High Density Base8 - 24 Fibre OS2 LC-MPO Female Cassette Type C Black  |
| <b>24F - APC</b>  |                                                                                |
| 208-477-TYPE-A    | Elevate High Density Base8 - 24 Fibre APC LCA-MPO Female Cassette Type A White |
| 208-477-TYPE-B    | Elevate High Density Base8 - 24 Fibre APC LCA-MPO Female Cassette Type B White |
| 208-477-TYPE-C    | Elevate High Density Base8 - 24 Fibre APC LCA-MPO Female Cassette Type C White |
| 208-477-TYPE-A-BK | Elevate High Density Base8 - 24 Fibre APC LCA-MPO Female Cassette Type A Black |
| 208-477-TYPE-B-BK | Elevate High Density Base8 - 24 Fibre APC LCA-MPO Female Cassette Type B Black |
| 208-477-TYPE-C-BK | Elevate High Density Base8 - 24 Fibre APC LCA-MPO Female Cassette Type C Black |