

A COMPARISON OF DATWYLER'S SYSTEM SOLUTIONS



**DATA CENTRE SOLUTION
(FO-DCS)**

FO-DCS is a future-proof, preassembled plug-and-go fibre optic solution characterised by high-quality cables and components and high-precision connector assembly. Due to its outstanding optical and geometric values, it is suitable for all current and future high-speed applications in the data centre. Modular components can be combined as required, thus providing users with a maximum in design flexibility.

Performance features:

- Simple installation with intuitive labelling and easy access from the front
- High quality 3U/7HP plug-in modules (cassettes)
- Connectivity solutions with MTP, LDC and LCQ
- Breakout and splice solutions available
- Simple integration of copper connections



**MEDIUM-DENSITY DATA CENTRE
SOLUTION (MD-DCS)**

The MD-DCS is the third variant in the family of Datwyler data centre solutions. The port density of this system sits between FO-DCS and HD-DCS and is therefore perfect for small and medium-sized data centres and server rooms. As with the other two solutions, installation, maintenance and cable management are simple and flexible.

Performance features:

- Medium port density solution for SCD, LCD and MTP
- Flexible assembly with four modules (cassettes) per height unit with 3 SCD ports to 12 LCD ports per module
- Integrated labelling
- Use of DCS cables for tool-free installation and for the same quality in the overall system (compatibility)
- Breakout, fanout and splice variants



**HIGH-DENSITY DATA CENTRE
SOLUTION (HD-DCS)**

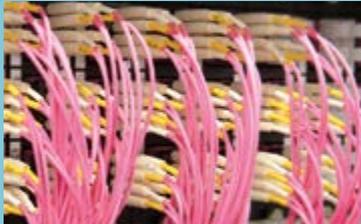
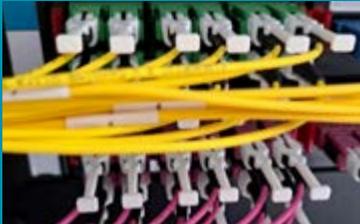
The HD-DCS offers users higher quality features than the FO-DCS and, in addition, more than twice the port density and even greater flexibility. The HD-DCS housings feature integrated cable management, which simplifies installation and maintenance. Port labelling is also simpler and more flexible.

Performance features:

- Extremely compact solution with maximum port density (MTP and LCD)
- Flexible assembly with plug-in modules of different size and port density (6, 12, 24)
- Integrated cable management and labelling system
- Compact patch cables (2 mm) with push-pull tabs
- Patch cables and breakout cables with CPR classification (up to B2ca)



COMPARISON OF SYSTEM SOLUTIONS

CRITERION	FO-DCS	MD-DCS	HD-DCS
			
Max. number of ports on 1U	36	48	96
Max. number of ports on 4U	144	192	384
Connection types	SCD, LCD, MTP, LSH-C	SCD, LCD, MTP	LCD, MTP
Fibre types	OM3, OM4, OS2 G652.D BLO	OM4, OM5, OS2 G652.D BLO	OM4, OM5 (on request), OS2 G652.D BLO
Max. number of fibres / 1U - LCD	72	96	192
Max. number of fibres / 1U - MTP ₁₂	432	576	1152
Max. Number of fibres / 4U - LCD	288	384	768
Max. number of fibres / 4U - MTP ₁₂	1728	2304	4608
LCD adapters with integral dust covers	-	-	●
Splice module	●	●	-
Breakout module	●	●	●
Copper module with 6x RJ45	●	●	-
FO module with 6 ports	●	●	●
FO module with 12 ports	●	●	●
FO module with 24 ports	-	-	●
Patch cable, round, 2 mm	●	●	●
Patch cable management 0U	● (only with 4U subrack)	● (for 2U panels or 2x 1U)	●