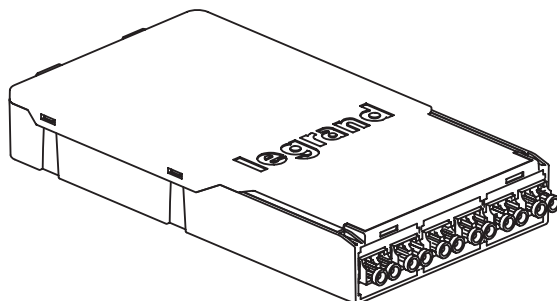


High density cassettes for modular panels

Cat. No(s): 2 600 48/49/50/51/52/53/54 - On-demand solution



1. PRESENTATION

High density MTP cassettes (compatible with MPO)

For installation in modular panels Cat. Nos. 0 321 75/76/77 using support Cat. No. 2 600 54. Cassettes pre-equipped with OS2 or OM4 pigtails.

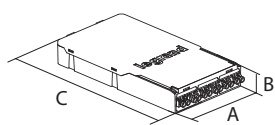
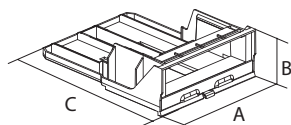
2 600 48	HD CASSETTE MTP LC 12F ULTRA OM4
2 600 49	HD CASSETTE MTP LC 24F ULTRA OM4
2 600 50	HD CASSETTE MTP LC 12F ULTRA OS2
2 600 51	HD CASSETTE MTP LC 24F ULTRA OS2
2 600 52	HD CASSETTE MTP SC 12F ULTRA OM4
2 600 53	HD CASSETTE MTP SC 12F ULTRA OS2

Sliding cassettes that can be extracted from the front or the rear with a simple push.

Designed to facilitate installation and maintenance.

2. DIMENSIONS (mm)

Cat. Nos.	A	B	C
2 600 54	110	43.6	150
2 600 48/49/50/51/52/53	91	28	205



3. CASSETTE AND SUPPORT WEIGHT (g)

Cat. Nos.	Weight
2 600 48/50	144.82
2 600 49/51	217
2 600 52/53	155
2 600 54	68.46

4. CASSETTE TECHNICAL CHARACTERISTICS

High density MTP cassette (compatible with MPO)

Pre-equipped with preterminated fibres and ready for direct connection to a 12-fibre female MTP connector (MPO-compatible).

Ultra-performance cassette with low insertion loss (<0.5 dB). Performance tested at the factory and detailed in the test report supplied with the cassette.

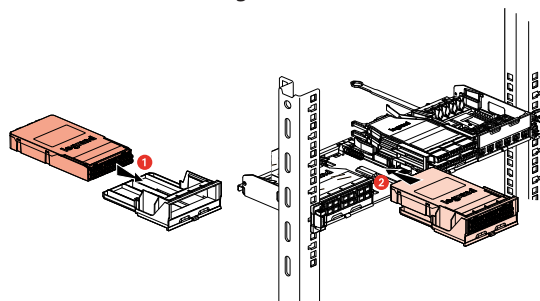
A/C polarity.

■ 4.1 Material characteristics

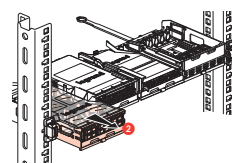
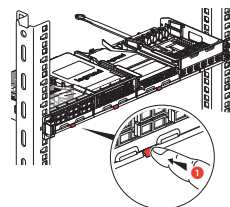
Polycarbonate

IP40

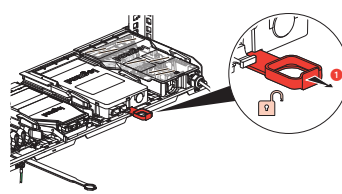
■ 4.2 Cassette mounting



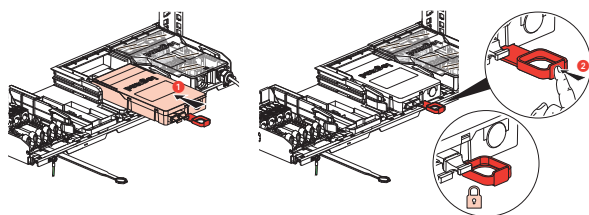
■ 4.3 Front cassette removal



■ 4.4 Rear cassette removal



4.5 Rear cassette reinstallation



5. CONNECTOR TECHNICAL CHARACTERISTICS

All connectors have a durability of 500 connection/disconnection cycles (IEC 61300-2-2).

MPO/MTP connectors comply with IEC 61754-7.

LC connectors comply with IEC 61754-20.

SC connectors comply with IEC 61754-4.

ST connectors comply with IEC 61754-2.

Optical performance

- MTP connectors

	Multimode Ultra Performance	Singlemode Ultra Performance
IL/Master	0.1 dB typical (all fibres) 0.35 dB maximum (single fibre) ^{2,3}	0.1 dB typical (all fibres) 0.35 dB maximum (single fibre) ^{1,4}
IL Max/Random*	0.35 dB (single fibre)	0.35 dB (single fibre)
Return loss ⁵	> 20 dB	> 60 dB (8° angled polish)

¹ As tested in accordance with ANSI/TIA-455-171 Method D3 / IEC 61300-3-4

² As tested in accordance with ANSI/TIA-455-171 Method D1 / IEC 61300-3-4

³ As tested on 50 µm fibres at a wavelength of 850 nm in accordance with IEC 61280-4-1

⁴ Complies with IEC 61755-3-31/GRADE B

⁵ As tested in accordance with IEC 61300-3-6 and ANSI/TIA-455-107A

* Performance is guaranteed only with other components of the same Legrand range (Core, Ultra and Quantum). Mixing ranges or use of components from other brands may lead to different system performance. The uncertainty value for field measurements with LSPM testing using a reference cord, defined in ISO/IEC 14763-3, applies to field testing with proposed Legrand testing cords. Refer to the Fibre Optic Testing Guide for Legrand Solutions.

- LC, SC, LC APC and SC APC connectors

	Multimode Ultra Performance	Singlemode Ultra Performance
IL Max/Master *	0.15 dB	0.15 dB
IL Max/Random ** ***	0.2 dB	0.25 dB
Typ. IL/Master *	0.08 dB	0.12 dB
Typ. IL/Random ** ***	0.10 dB	0.12 dB
Return loss (UPC/APC)	> 25 dB	> 55/65 dB

* IEC 61300-3-4

** IEC 61300-3-34

*** Performance is guaranteed only with other components of the same Legrand range (Core, Ultra and Quantum). Mixing ranges or use of components from other brands may lead to different system performance. The uncertainty value for field measurements with LSPM testing using a reference cord, defined in ISO/IEC 14763-3, applies to field testing with proposed Legrand testing cords. Refer to the Fibre Optic Testing Guide for Legrand Solutions.

Storage and operating temperature: - 10°C to + 60°C

Production quality control:

For MTP

3D interferometry (connector geometry): 100% of products inspected.

Optical performance: 100% factory tested.

For LC, SC, LC APC and SC APC

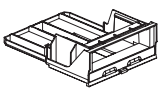
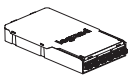
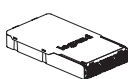
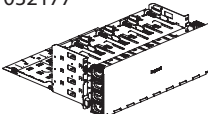
3D interferometry (connector geometry): quality control by sampling.

Optical performance: 100% factory tested.

6. ON-DEMAND SOLUTION

Please contact your Legrand sales representative.

7. COMPATIBILITY

HD panels		Support for HD cassette	HD cassette		Universal polarity			A/C polarity		
					OS2/UPC	OS2/APC	OM4 Aqua	OS2/UPC	OS2/APC	OM4 Aqua
Base 12	032175 		12F MTP-LC		260050	On demand	260048	On demand	On demand	On demand
	032176 		2x 12F MTP-LC		260051	On demand	260049	On demand	On demand	On demand
	032177 		12F MTP-SC		260053	On demand	260052 *Beige	On demand	On demand	On demand *Beige