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Zone Enclosure for Raised / Access Floor Installations ❯

An easy-access multi-media Zone Enclosure which accommodates up to 24 copper ports, 48 fiber splices or 96 MTP/MPO fibers, designed for raised/access floor, zone cabling installations.

The Molex raised/access floor Zone Enclosure is a cost-effective, robust, and versatile product designed to support moves, adds and changes in frequently changing enterprise and education environments. The product is designed to accept copper or fiber cabling via the deployment of interchangeable mounting plates, supporting up to 24 DataGate Jack copper ports or 24 fiber adapters (48 splices) or up to 4 ModLink (MTP/MPO) DLC, DSC or QLC cassettes.

The unit fits comfortably in a 600mm x 600mm or 24" x 24" raised/access floor grid and is manufactured from cold-rolled steel, finished in black. The chassis features cable tie anchor points for the correct routing and securing of incoming copper or fibre cable and sufficient capacity for a 24-fiber splice tray (supplied separately). Also featured are fixing pins to position the mounting plates. The keyed cover plate is secured with screws and features protected label holders that allow convenient and clear port identification when the floor tile is removed and viewed from above. The keyed, screw fixing point feature in the cover plate allows for any pre-set port identification to be correctly orientated, following removal of the cover plate for any post-installation maintenance.

The interchangeable mounting plates are supplied separately and include an unloaded 12 port Molex DataGate Jack plate with grounding pins for the termination of shielded cable. An unloaded 2 aperture carrier plate accepting Molex versatile snap-in, 12 fiber duplex LC or duplex SC adapter plates or ModLink MTP/MPO fiber cassettes and a feature-rich cable management plate.

The cable management plate includes an opening designed for convenient copper cable bundle handling and is protected by a brush strip to reduce excess dust and debris. For maximum installation convenience, the brush strip can be removed and then replaced once the terminated cables are permanently positioned and secured in place. Also featured on the plate are circular knockouts to accommodate cable glands and grommets to protect fibre cables entering the chassis.


Shown assembled with DataGate Jacks

Internal view with copper assembly

Shown assembled with fiber adapter plates
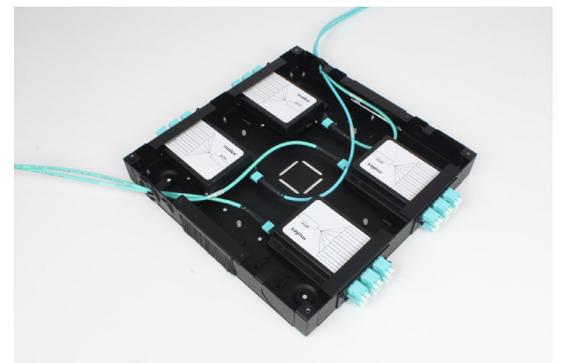
Internal view with ModLink assembly

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FEATURES AND ADVANTAGES

Designed specifically for 600mm x 600mm or 24" x 24" raised/access floor grid installations

Cost-effective, robust, and versatile

Manufactured from strong cold-rolled steel, finished in black

Interchangeable mounting plates for copper or fiber installation options

Supports up to 24 Molex DataGate Jacks or 24 fiber adapters (48 fibers) or 4 ModLink MTP/MPO 12 or 24 fiber cassettes.

Chassis features cable-tie anchor points for the correct routing and securing of cable and sufficient capacity to accommodate a 24 fiber splice and pigtail management tray

Compatible with Molex snap-in 12 fiber DLC or DSC adapter plates

Top access cover plate features protected label holders that allow clear port identification when viewed from above the raised/access floor recess.

The cable management plate offers convenient copper bundle handling with brush strip protection for dust and debris ingress reduction. Circular knockouts features are designed to accommodate M20 fiber cable glands and grommets with unused positions remaining blanked off.

APPLICATION

A zone cabling architecture provides flexibility and scalability to a network cabling design. Traditional structured cabling can mean many long cable runs from the telecommunications room (TR) to each work area. This installation method operates well for very small offices but in a high churn, constantly evolving open offices, education facilities, auditoria or multi-tenancy workplaces, it can mean hundreds of lengthy and bulky copper cables that are difficult and expensive to reconfigure.

Many organizations are now rethinking their network cabling because they want to make the most of their assets by integrating multiple services, thereby maximizing flexibility, and achieving cost savings. These services include (but are not limited to): BAS (Building Automation Systems), Smart Lighting, Data and Voice networks, Wireless (Wi-Fi), Energy Management, visual information display and digital signage, sensors and actuators, HVAC controls, etc.

The zone design concept involves a pre-planned connection point in the horizontal cable so that copper or fiber runs are routed from the TR to Zone Enclosures which then support specific work areas or zones via a raised/access floor or ceiling. Shorter copper or fiber lengths then run from the Zone Enclosure to each work area in that zone. This restricts any changes to the cabling section between the Zone Enclosure to TO, instead of the entire length of the horizontal cabling. In addition, the zone cabling approach allows the option of installing labor-saving pre-terminated and tested trunk cables (solid copper cable or fiber cable assemblies), reducing downtime.

This approach optimizes space, provides floor level MACs and enables easier location, management and maintenance of the network cabling system. Zoned spaces provide advantages to tenants and commercial property owners by reducing labor and material costs when reconfiguring office space and maximizes asset utilization.

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SPECIFICATIONS

International Standards

ISO/IEC 11801-2
ISO/IEC 11801-6
ANSI/TIA 568-0.D
ANSI-TIA 862.B

Environmental Standards

RoHS compliant
REACH compliant

Physical

Material: CRS (cold rolled steel)

Thickness:
1.52mm /0.059"- Chassis, Cover and DataGate Jack Plate,
1.22mm/0.048" – Cable Management and Carrier Plates
Finish: Black powder coat
Brush strip holder: Zinc plated steel
Brush strip material: Nylon

Dimensions

Chassis and Cover:
300mm/12" (L) x 300mm/12" (W) x 40mm/1.59" (H)

12 Port DataGate Jack Plate:
270mm/10.63" (L) x 17mm/0.67" (W) x 40.4mm/1.59" (H)
Cable Management Plate:
270mm/10.63" (L) x 17mm/0.67" (W) x 40.4mm/1.59" (H)
2 Aperture Carrier Plate:
270mm/10.63" x 17mm.0.67" (W) x 40.4mm/1.59" (H)

Shipping Weight

Chassis: 2.58kg/5 lb 11oz
Cable Management Plate: 251gr/9oz
12 Port DataGate Jack Plate: 282gr/10oz
2 Aperture Carrier Plate: 195gr/7oz

ORDERING INFORMATION

Order No.	SAP No.	Description
		Zone Enclosure
CPT-00054	180080086	Zone Enclosure chassis (unloaded) with cover, black
CPT-00056	180080089	Cable Management Plate with brush strip and fiber cable apertures, black
CPT-00057	180080090	12 Port DataGate Jack Plate unloaded, black
CPT-00058	180080091	2 Aperture Carrier Plate unloaded, black (accepting 2 x 12F Loaded Adapter Plates, supplied separately)

Unloaded Chassis and Cover

Cable Management Plate

2 Aperture Carrier Plate

12 Port DataGate Jack Plate

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Order No.	SAP No.	Description
Compatible Products		
Copper		
KSJ-00096-04	183010134	PowerCat 6A DataGate Jack RJ45 568A/B Shielded Black
KSJ-00018-04	181970081	PowerCat 6 DataGate Jack RJ45 568A/B UTP Black
Fiber		
AFR-00365	180600143	Adapter Plate DLC 12 Fiber SM OS2 Blue
AFR-00366	180600144	Adapter Plate DLC 12 Fiber MM OM2 Beige
AFR-00376	180600154	Adapter Plate DLC 12 Fiber MM OM3 Aqua
AFR-00376-EV	180600305	Adapter Plate DLC 12 Fiber MM OM4 Erika Violet
AFR-00679-LG	180600486	Adapter Plate DLC 12 Fiber MM OM5 Lime Green
AFR-00362	180600140	Adapter Plate DSC 12 Fiber MM OM2 Beige
AFR-00368	180600146	Adapter Plate DSC 12 Fiber SM OS2 Blue
AFR-00374	180600152	Adapter Plate DSC 12 Fiber MM OM3 Aqua
AFR-00501	180600247	Adapter Plate DSC 12 Fiber MM OM4 Erika Violet
AFR-00678-LG	180600485	Adapter Plate DSC 12 Fiber MM OM5 Lime Green
MLCDSC12OM2	181810145	ModLink Cassette DSC 12 Fiber MM OM2 Beige
MLCDLC12OM2	181810147	ModLink Cassette DLC 12 Fiber MM OM2 Beige
MLCDSC12OM3L	181810168	ModLink Cassette DSC 12 Fiber LOW LOSS MM OM3 Aqua
MLCDLC12OM3L	180370274	ModLink Cassette DLC 12 Fiber LOW LOSS MM OM3 Aqua
MLCDSC12OM4L	181810167	ModLink Cassette DSC 12 Fiber LOW LOSS MM OM4 Erika Violet
MLCDLC12OM4L	181810172	ModLink Cassette DLC 12 Fiber LOW LOSS MM OM4 Erika Violet
MLCDSC12OS2L	181810166	ModLink Cassette DSC 12 Fiber LOW LOSS SM OS2 Blue
MLCDLC12OS2L	181810173	ModLink Cassette DLC 12 Fiber LOW LOSS SM OS2 Blue
MLCDSC12OM5L	181810238	ModLink Cassette DSC12 Fiber LOW LOSS MM OM5 Lime Green
MLCDLC12OM5L	181810245	ModLink Cassette DLC 12 Fiber LOW LOSS MM OM5 Lime Green
MLCQLC24OM2	181810164	ModLink Cassette QLC 24 Fiber MM OM2 Beige
MLCQLC24OM3L	181810169	ModLink Cassette QLC 24 Fiber LOW LOSS MM OM3 Aqua
MLCQLC24OM4L	181810171	ModLink Cassette QLC 24 Fiber LOW LOSS MM OM4 Erika Violet
MLCQLC24OM5L	181810250	ModLink Cassette QLC 24 Fiber LOW LOSS MM OM5 Lime Green
Accessories		
AFR-00470	180600217	Universal Splice Tray, 24 Fiber with built in Cable Management
KFR-00053	182680049	Self-Adhesive Cable Management Hub (2 pcs), Black
KFR-00052	182680048	Fusion Splice Holder 24 Fiber

DataGate Jack C6A

DataGate Jack C6
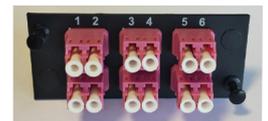
12 Fiber Adapter Plates

ModLink Cassettes

PowerCat C6A Pre-Terminated Cable Assemblies (Contact Molex for part no. details)

ModLink Cables (Contact Molex for part no. details)

Universal Splice Tray

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Order No.	SAP No.	Description
KFR-00008	180600025	45mm Fusion Splice Protector - 2.4mm (o.d.)
KFR-00009	180600026	61mm Fusion Splice Protector - 2.4mm (o.d.)
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)
KFR-00034	182680018	Kevlar Retention Clamp (1 pc)
91.A0860	182680013	Gland 4-8mm M20
91.A0870	182680014	Gland 6-12mm M20
91.A0880	182680015	Gland 9-14mm M20

Fusion Splice Holder

Self Adhesive Cable Management Hub

Gland & Retention Clamp

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