



TECHNICAL DATA

LCS3 OPEN RACK AND ACCESSORIES



LCS3 OPEN RACK

and accessories



446150



446152



RAL 9011

The Open rack is designed to provide the greatest in cable management flexibility and efficiency. Honeycomb cutout sidewall allow for infinite cable pathways. The universal 3/8" square hole punch enables mounting of all standard cage nuts and OEM quick mount slides and rails. This creates the industries most versatile equipment rack system.

- Patented channel construction: protects the performance of horizontal cabling, hex pattern on rack channels simplifies cabling
- Honeycomb side rail maximize airflow when combined with baffles
- EIA hole pattern front and rear channels: support equipment shelves and heavy equipment front and rear.
- Universal 3/8" punched square holes enable mixed equipment mounting and use of cage nuts
- High density rack solution
- Easy to assembly: kit includes many time and cost saving features

| LCS3 open rack and accessories | |
|---|--------|
| Open rack, 45U, 19-inch | 446150 |
| Cable duct with door | 446152 |
| Hexagonal cable throughs (set of 6) | 446154 |
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| Cable management spools (set of 4) | 446156 |
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446154



446155



446156



446157



446158



446159



446160

OPEN RACK, 45U, 19-INCH

446150

FEATURES & BENEFITS

The Open racks are designed to provide the greatest in cable management flexibility and efficiency. Honeycomb cutout sidewall allow for infinite cable pathways. The universal 3/8" square hole punch enables mounting of all standard cage nuts and OEM quick mount slides and rails. This creates the industries most versatile equipment rack system.



SPECIFICATIONS

| General info | | 446150 |
|--------------|----------------|----------------------------|
| | Color | Black |
| | Product series | Open racks |
| | Type | Open rack with punch holes |

| Dimensions | | 446150 |
|------------|-----------------|---------------|
| | Usable Height | 45U |
| | Depth (metric) | 609.60 mm |
| | Depth (us) | 24" (inch) |
| | Height (metric) | 2133.60 mm |
| | Height (us) | 7' (foot) |
| | Width (metric) | 603.25 mm |
| | Width (us) | 23.75" (inch) |

Construction information

Component 1: Open rack assembly

Technical information

Static Load Capacity: 2000 LBS / 907,18 kg

Buy American Act Compliance

Country of origin: United States of America



CABLE DUCT WITH DOOR

446152



FEATURES & BENEFITS

The wire frame and rack unit finger design promotes efficient routing of patch cords between racks. Dual hinged slam latch doors allow easy access during moves, adds and changes. Supplied with four cable management spools to provide slack storage for fiber jumpers and twelve bend limiting clips to protect fiber entering the vertical manager.

- **Vertical cage with individual rack unit fingers:** Provides organized method for routing and storage of patch or cross connect cable between racks.
- **Recommended fill capacity of up to 910 Category 6 patch cords at 40% fill:** See patch cord capacity data sheet for full chart.
- **Slam latch hinged extruded aluminum front door:** Full length handle allows easy access during moves, adds and changes and slams shut.
- **Mounted on the front flange between the open racks when two or more are installed in a row:** Creates a channel between racks for front to back routing of equipment cables and patch cords.
- **Supplied with four slack storage spools and 12 bend limiting clips:** Adjustable bend limiting control for copper and fiber cords.
- **All necessary mounting hardware included:** Hanger clips hold the cage in place for easy and quick one person installation.

SPECIFICATIONS

| General info | | 446152 |
|----------------|--|----------------------------|
| Color | | Black |
| Product series | | Open racks |
| Type | | Vertical managers |
| Component type | | Vertical manager with door |

| Dimensions | | 446152 |
|-----------------|--|----------|
| Depth (us) | | 15 |
| Height (metric) | | 1.9558 m |
| Height (us) | | 77" |
| Width (metric) | | 266.7 mm |
| Width (us) | | 10.5" |
| Height | | 77" |

Assembly/installation information

Mounting hardware included: yes

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1:

Technical information

Patent no: 6,946,605 and 7,026,553

Buy American Act Compliance

Country of origin: United States of America

Buy American Act Status: Buy American Act Compliant



HEXAGONAL CABLE TROUGHES (SET OF 6)

446154

FEATURES & BENEFITS

Universal cable troughs snap into the hex pattern on the open channel racks and are used to create a front to rear or vertical trough on the inside or outside of the channel. They can be mounted in a row to create a continuous trough or rotated at 30 degree increments to support cables through directional changes. Up to 3 HiLOC harnesses can be toollessly mounted into each trough. The 2" x 2" size is equipped with slots to allow it to be joined to Open racks Fiber Raceway.



- **Snaps into the hex pattern on open channel racks:** Creates a front to rear pathway for cables between racks.
- **Hex design:** Allows trough to be rotated in 30 degree increments for pathway transition from horizontal to vertical.
- **HiLOC ready:** Up to 3 HiLOC harness shells can be snapped into the cable trough providing Zero "U" connectivity for switches and servers.



SPECIFICATIONS

| General info | | 446154 |
|----------------|--|------------------|
| Color | | Black |
| Product series | | Open racks |
| Type | | Rack accessories |
| Component type | | Cable trough |

| Dimensions | | 446154 |
|-------------------|--|---------|
| Depth (us) | | 5.25 |
| Diameter (metric) | | - |
| Height (metric) | | 12.7 mm |
| Height (us) | | 0.5" |
| Length (metric) | | - |
| Width (metric) | | 76.2 mm |
| Width (us) | | 3" |
| Height | | 0.5" |

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1: cable trough

Buy American Act Compliance

Country of origin: Mexico

Buy American Act Status: Trade Agreement Act Compliant



BEND LIMITING CLIPS (SET OF 12)

446155



FEATURES & BENEFITS

Bend limiting clips snap on to any finger on the vertical management cage to provide bend limitation for fiber jumpers entering and exiting the cage. The half oval design provides 180° protection for fiber jumpers.

- **Mount on any cage finger:** Provides bend limitation for fiber cables wherever needed for jumpers entering the vertical manager.
- **180 degree design:** Protects the fiber jumpers from kinking.



SPECIFICATIONS

| General info | | 446155 |
|--------------|-------------------|--------------------|
| | Color | Black |
| | Product series | Open rack |
| | Type | Rack accessories |
| | Component type | Bend limiting clip |
| Dimensions | | 446155 |
| | Depth (us) | 6.25 |
| | Diameter (metric) | - |
| | Height (metric) | 38.1 mm |
| | Height (us) | 1.5" |
| | Length (metric) | - |
| | Width (metric) | 44.45 mm |
| | Width (us) | 1.75" |
| | Height | 1.5" |

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1: bend limiting llip

Buy American Act Compliance

Country of origin: Taiwan

Buy American Act Status: Trade Agreement Act Compliant



CABLE MANAGEMENT SPOOLS (SET OF 4)

446156

FEATURES & BENEFITS

Cable management spools effectively manage excess fiber cable slack, providing flexibility and the proper bend radius for cables. They mount at rack unit intervals on the front of the 6" wide vertical manager or on the front and rear of the 10" and wider vertical managers with fingers.



- **Mount at cable duct with door [446152]:** Provides bend limitation and slack storage for copper and fiber cords.



SPECIFICATIONS

| General info | | 446156 |
|-------------------|--|------------------|
| Color | | Black |
| Product series | | Open racks |
| Type | | Rack accessories |
| Component type | | Cable spools |
| Dimensions | | 446156 |
| Depth (us) | | 11.2 |
| Diameter (metric) | | - |
| Height (metric) | | 96.52 mm |
| Height (us) | | 3.8" |
| Length (metric) | | - |
| Width (metric) | | 96.52 mm |
| Width (us) | | 3.8" |
| Height | | 3.8" |

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1: Cable spools

Buy American Act Compliance

Country of origin: Taiwan

Buy American Act Status: Trade Agreement Act Compliant



CABLE MANAGEMENT RINGS

446157

FEATURES & BENEFITS

These black plastic rings flex at the end for easy insertion or removal of cross connect cables. The 3/8" 1/4 turn connector mounts on the front and back of the Mighty Mo racks. It can also be installed into 3/8" square accessory holes on the sides of the Open racks or into any open 3/8" square EIA mounting hole.



- **Quarter turn mounting:** Can be installed into any 3/8" square accessory hole on the open racks and any 3/8" square hole on an EIA mounting rail.
- **Vertical or horizontal mounting:** The 1/4 turn mount allows the ring to be rotated 90 degrees to manage cables vertically or horizontally.



SPECIFICATIONS

| General info | | 446157 |
|-------------------|--|------------------|
| Color | | Black |
| Product series | | Open racks |
| Type | | Rack accessories |
| Component type | | Cable rings |
| Dimensions | | 446157 |
| Depth (us) | | 6 |
| Diameter (metric) | | - |
| Height (metric) | | 40.64 mm |
| Height (us) | | 1.6" |
| Length (metric) | | - |
| Width (metric) | | 40.64 mm |
| Width (us) | | 1.6" |
| Height | | 1.6" |

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1: Cable rings

Buy American Act Compliance

Country of origin: Mexico

Buy American Act Status: Trade Agreement Act Compliant



CABLE DUCT MOUNTING BRACKETS

446158

FEATURES & BENEFITS

Mounts to the top side of the Open rack channels or frames and provides toolless mounting for Cablofil cable tray to run parallel with the row of racks. Standard brackets position the bottom of the tray at 2" above the rack height and 6" high brackets position the bottom of the tray at 6" above the rack height.



- **Mounts to open racks:** Allows you to secure cable tray parallel to the racks.
- **Provides mounting locations for multiple runway sizes:** No need to stock multiple mounting plates.
- **No additional hardware required:** Uses existing hardware from rack.



SPECIFICATIONS

| General info | | 446158 |
|----------------|--|-----------------------------|
| Color | | Black |
| Product series | | Open racks |
| Type | | Rack accessories |
| Component type | | Cable tray mounting bracket |

| Dimensions | | 446158 |
|-------------------|--|-----------|
| Depth (us) | | 26.6 |
| Diameter (metric) | | - |
| Height (metric) | | 111.76 mm |
| Height (us) | | 4.4" |
| Length (metric) | | - |
| Width (metric) | | 30.48 mm |
| Width (us) | | 1.2" |
| Height | | 4.4" |

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1: Cable tray mounting bracket

Buy American Act Compliance

Country of origin: United States of America

Buy American Act Status: Buy American Act Compliant



HORIZONTAL CABLE MANAGER

446159

FEATURES & BENEFITS

Zero rack unit horizontal managers slide into the slots in the Open rack fingers and provide support for fiber and copper cables exiting horizontal equipment modules. They toollessly lock into place with the 19" version mounting between 2 vertical managers in front of the equipment. Internal versions are sized to fit inside the vertical managers and provide a continuous horizontal path across the front of the racks and managers.



- **Zero "U" cable support:** Panels slide into the slots of the vertical manager fingers to create a shelf for supporting switch cables.
- **Sturdy panel design:** Snap into place in front of switches with no hardware allowing easy removal when replacing equipment cards or fan trays.



SPECIFICATIONS

| General info | | 446159 |
|-------------------|--|--------------------|
| Color | | Black |
| Product series | | Open racks |
| Type | | Rack accessories |
| Component type | | Horizontal manager |
| Dimensions | | 446159 |
| Depth (us) | | 3.9 |
| Diameter (metric) | | - |
| Height (metric) | | 15.24 mm |
| Height (us) | | 0.6" |
| Length (metric) | | - |
| Width (metric) | | 558.8 mm |
| Width (us) | | 22" |
| Height | | 0.6" |

Listing agencies/third party certifications

Rohs: yes

Construction information

Component 1: Horizontal manager

Buy American Act Compliance

Country of origin: United States of America

Buy American Act Status: Buy American Act Compliant



OVERHEAD CABLE PATHWAY, 5 U, 19»

446160

FEATURES & BENEFITS

Overhead rack to support additional rack space above existing racks or cabinets. Easily installs to wire cable tray, tubular runway, or threaded rod. The racks are fully assembled and bonded as packaged. Includes a 3 piece waterfall to elegantly route cables down to the lower racks. Used when floor space is at a premium or for easy top of rack cable patching.



- **Will mount to the following:** Legrand's Cablofil and Tubular Runway in both parallel and perpendicular directions, multiple locations across the face of Cablofil and Tubular Runway, and using threaded rod.
- **3 piece waterfall snaps onto front for elegant cable egress down to lower racks.**
- **Interchangeable easy clip Cablofil and Tubular Runway brackets.**
- **No frame assembly required.**
- **Lightweight, easy to install.**
- **Optional cable management rings.**



SPECIFICATIONS

| General info | 446160 |
|----------------|---------------|
| Color | Black |
| Product series | Open racks |
| Type | Overhead rack |
| Component type | - |

| Dimensions | 446160 |
|-----------------|----------|
| Depth (metric) | 177.80mm |
| Depth (us) | 7" |
| Height (metric) | 304.80mm |
| Height (us) | 12" |
| Width (metric) | 603.25mm |
| Width (us) | 23.75" |
| Rack Units: | 5 |

Listing agencies/third party certifications

Rohs: yes

Construction information

Material 1: Steel

Technical information

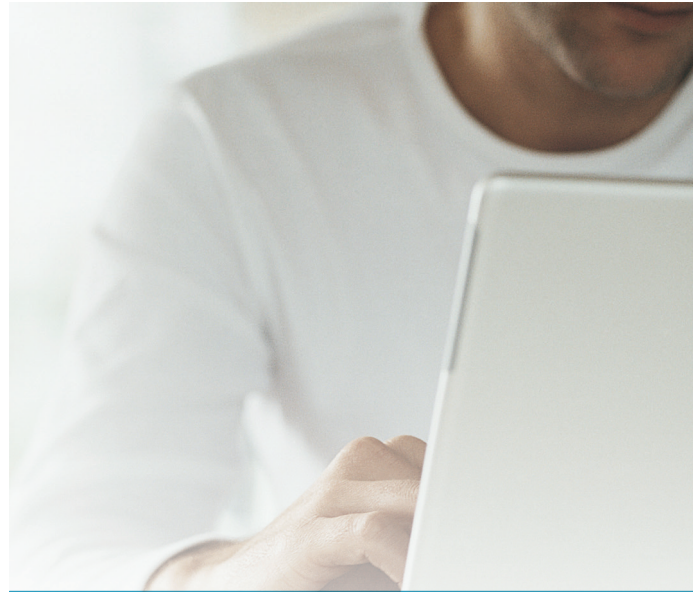
Static Load Capacity: 65 LBS

Buy American Act Compliance

Country of origin: United States of America

Buy American Act Status: Buy American Act Compliant





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