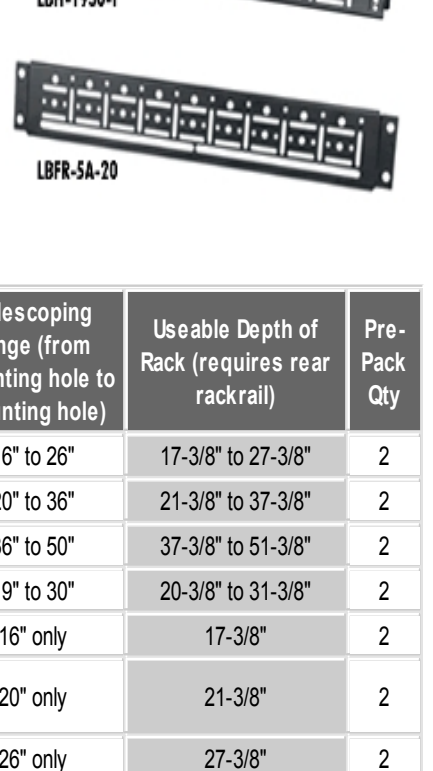


- [Fiber/Cable Spools](#)
- [Telescoping Lacer System](#)
- [Horizontal Cable Bars](#)
- [Horizontal Cable Managers](#)
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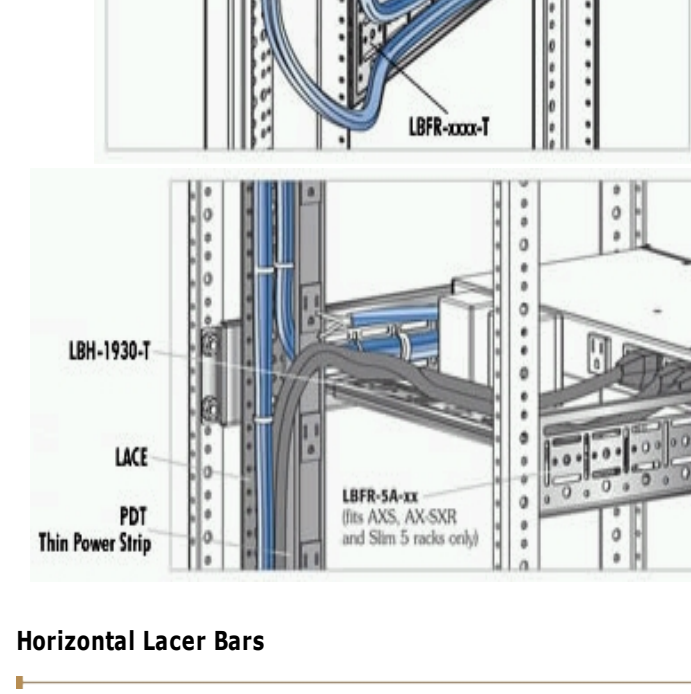
### Telescoping Lacer System

- Adjusts to fit front to rear or horizontally within any Middle Atlantic Products enclosure
- Provides for effective cable management and cable strain relief
- Accepts mounting of [vertical lacer strips](#) and [thin power strips](#) for a complete cable management system

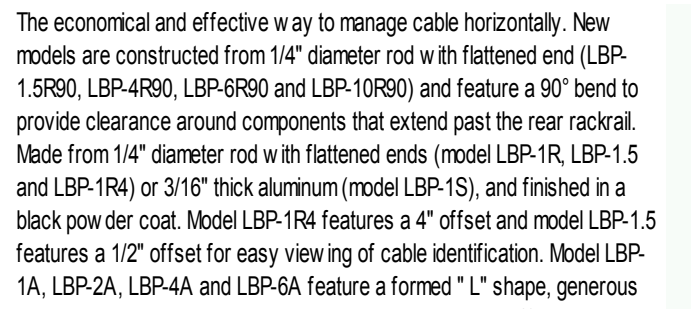


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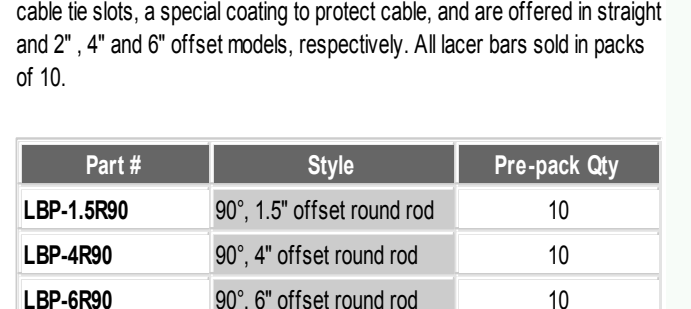
Part #	Description	Telescoping Range (from mounting hole to mounting hole)	Useable Depth of Rack (requires rear rackrail)	Pre-Pack Qty
LBFR-1626-T	front to rear telescoping lacer bar	16" to 26"	17-3/8" to 27-3/8"	2
LBFR-2036-T	front to rear telescoping lacer bar	20" to 36"	21-3/8" to 37-3/8"	2
LBFR-3650-T	front to rear telescoping lacer bar	36" to 50"	37-3/8" to 51-3/8"	2
LBH-1930-T	horizontal telescoping lacer bar	19" to 30"	20-3/8" to 31-3/8"	2
LBFR-5A-16	front to rear lacer bar (fits AXS racks)	16" only	17-3/8"	2
LBFR-5A-20	front to rear lacer bar (fits AXS, AX-SXR and SLIM 5 racks)	20" only	21-3/8"	2
LBFR-5A-26	front to rear lacer bar (fits AXS and SLIM 5 racks)	26" only	27-3/8"	2



A complete cable management system, the NEW telescoping lacer bars adjust to fit any Middle Atlantic Products rack.



Allows vertical and horizontal cable management.

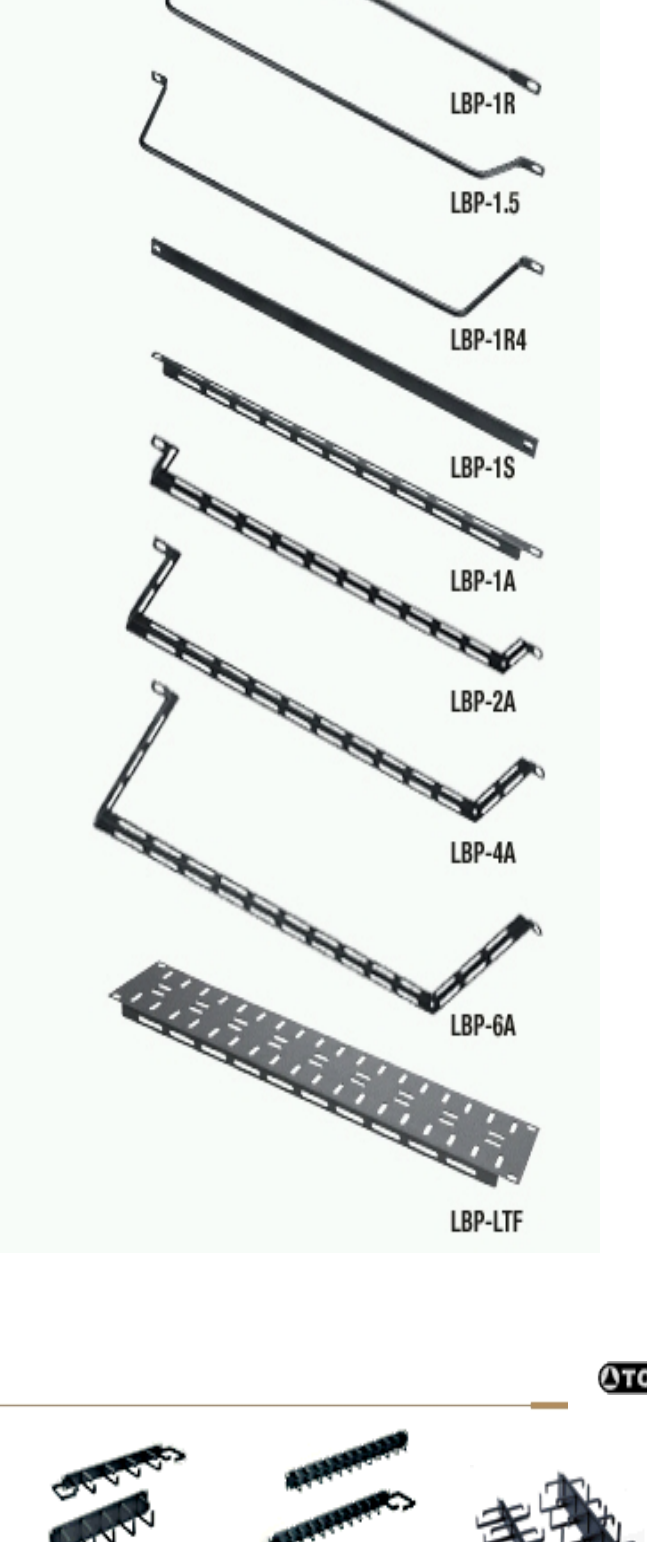


Cable strain relief!

### Horizontal Lacer Bars

The economical and effective way to manage cable horizontally. New models are constructed from 1/4" diameter rod w/ flattened end (LBP-1.5R90, LBP-4R90, LBP-6R90 and LBP-10R90) and feature a 90° bend to provide clearance around components that extend past the rear rackrail. Made from 1/4" diameter rod with flattened ends (model LBP-1R, LBP-1.5 and LBP-1R4) or 3/16" thick aluminum (model LBP-1S), and finished in a black powder coat. Model LBP-1R4 features a 4" offset and model LBP-1.5 features a 1/2" offset for easy viewing of cable identification. Model LBP-1A, LBP-2A, LBP-4A and LBP-6A feature a formed "L" shape, generous cable tie slots, a special coating to protect cable, and are offered in straight and 2", 4" and 6" offset models, respectively. All lacer bars sold in packs of 10.

Part #	Style	Pre-pack Qty
LBP-1.5R90	90°, 1.5" offset round rod	10
LBP-4R90	90°, 4" offset round rod	10
LBP-6R90	90°, 6" offset round rod	10
LBP-10R90	90°, 10" offset round rod	10
LBP-1R	round rod	10
LBP-1S	rectangular bar	10
LBP-1.5	1.5" offset round rod	10
LBP-1R4	4" offset round rod	10
LBP-1A	"L" bar	10
LBP-2A	"L" bar, 2" offset	10
LBP-4A	"L" bar, 4" offset	10
LBP-6A	"L" bar, 6" offset	10
LBP-LTF	2 space lacer panel	10



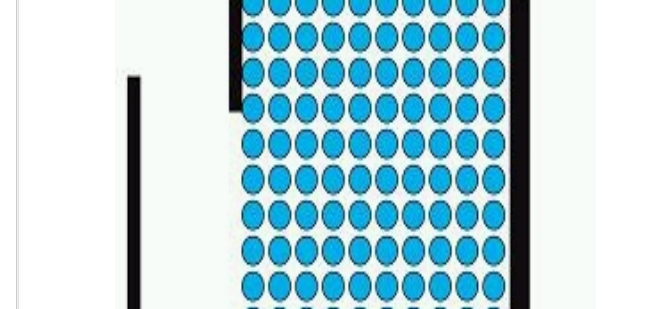
### Horizontal Cable Managers

- Available in a variety of styles to suit any application
- Welded steel construction
- Finished in durable black powder coat

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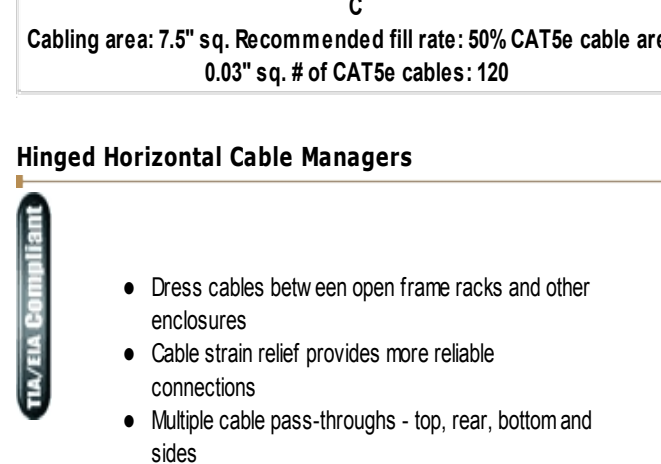
Part #	Description	Panel Width	Cable Rids (see below)	End Rings (see below)
HCM-1	1-3/4" (1 space) "micro-clip" style	19"	A	-
HCM-1V	1-3/4" (1 space) "micro-clip" style, w/ end rings	19"	A	C
HCM-1D	1-3/4" (1 space) "D-Ring" style	19"	B	-
HCM-1DV	1-3/4" (1 space) "D-Ring" style, w/ end rings	19"	B	C
HCM-2D	3-1/2" (2 space) "D-Ring" style	19"	C	-
HCM-2DV	3-1/2" (2 space) "D-Ring" style, w/ end rings	19"	C	C
HCM-1DR	1-3/4" (1 space) "D-Ring", front and rear	19"	B	-
HCM-2DR	3-1/2" (2 space) "D-Ring", front and rear	19"	C	-
D-RING	wall-mount/ rackmount "D-Ring"	-	C	-



A  
Cabling area: 0.45" sq. Recommended fill rate: 50% CAT5e cable area: 0.03" sq. # of CAT5e cables: 7



B  
Cabling area: 3.125" sq. Recommended fill rate: 50% CAT5e cable area: 0.03" sq. # of CAT5e cables: 50

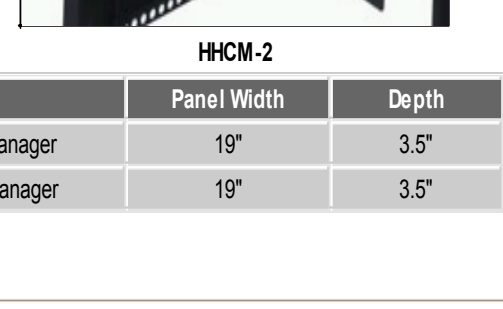


C  
Cabling area: 7.5" sq. Recommended fill rate: 50% CAT5e cable area: 0.03" sq. # of CAT5e cables: 120

### Hinged Horizontal Cable Managers

- Dress cables between open frame racks and other enclosures
- Cable strain relief provides more reliable connections
- Multiple cable pass-throughs - top, rear, bottom and sides
- Solid face conceals cables from view
- Hinged panel allows easy entry for and access to cable bundles

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Part #	Racking Height	Panel Width	Depth
HCM-1	One rackspace, hinged horizontal cable manager	19"	3.5"
HCM-2	Two rackspace, hinged horizontal cable manager	19"	3.5"

### Plastic Horizontal Cable Managers

- Matches and integrates well with [PCD Series Ducts](#)
- Comes with removable hinged cover
- Available in single piece and 4 packs



Single Piece Part #	4 Pack Part #	Height	Depth
PHCM-1-2	PHCM-1-2-P4	1 Space (1-3/4")	2"
PHCM-1-4	PHCM-1-4-P4	1 Space (1-3/4")	4"
PHCM-2-3	PHCM-2-3-P4	2 Space (3-1/2")	3"

### Vertical Lacer Strips

Perforated steel lacer strips mount vertically to rackrail brackets and provide many locations for securing cable ties. Lacer strips can be cut down easily to smaller sizes. LACE-OWP and LACE-OP strips feature tie posts for sliding on pre-wrapped cable bundles using cable ties or up to 3/4" wide Velcro® straps. Some lacer strips also accept cage nuts or mounting of select power strips for increased versatility.

Part #	Description	Qty	Compatible Options			
			Cable Ties	TSW-15	TW12	Cage Nuts
LACE-44-OWP*	4-3/4" w/ width, 44 space w/ tie posts	6	✓	✓	✓	✓
LACE-40-OWP*	4-3/4" w/ width, 40 space w/ tie posts	6	✓	✓	✓	✓
LACE-23-OWP*	4-3/4" w/ width, 23 space w/ tie posts	6	✓	✓	✓	✓
LACE-13-OWP	3-1/4" w/ width, 13 space w/ tie posts	6	✓	✓	✓	✓
LACE-44-OP	3-1/4" w/ width, 44 space w/ tie posts	6	✓	✓	✓	✓
LACE-40-OP	3-1/4" w/ width, 40 space w/ tie posts	6	✓	✓	✓	✓
LACE-37-OP	3-1/4" w/ width, 37 space w/ tie posts	6	✓	✓	✓	✓
LACE-23-OP	3-1/4" w/ width, 23 space w/ tie posts	6	✓	✓	✓	✓
LACE-13-OP	3-1/4" w/ width, 13 space w/ tie posts	6	✓	✓	✓	✓
LACE-44LP	3-1/2" w/ width, 44 space w/ raised lances	6	✓	-	✓	-
LACE-37LP	3-1/2" w/ width, 37 space w/ raised lances	6	✓	-	✓	-
LACE-P	2" w/ width, 45 space, 1/8" thick w/ round holes	6	✓	✓	-	-
LACE-37P	2" w/ width, 37 space, 1/8" thick w/ round holes	6	✓	✓	-	-
LACE-13P	2" w/ width, 13 space, 1/8" thick w/ tie posts	6	✓	✓	-	-
LACE-44-1SP	1" w/ width, 44 space w/ 10 tie saddles	6	✓	included	✓	-
LACE-37-1SP	1" w/ width, 37 space w/ 10 tie saddles	6	✓	included	✓	-
LACE-44-1P	1" w/ width, 44 space tapped for tie saddles	6	✓	✓	-	-
LACE-37-1P	1" w/ width, 37 space tapped for tie saddles	6	✓	✓	-	-



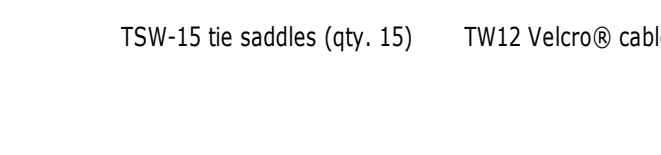
LACE-44-OWP LACE-44-OP



LACE-44-LP LACE-P

No need to fish in cable ties and straps - just slide them on!

\*NOTE: Also accepts mounting of PDI Slim and PDT Series vertical power



TSW-15 tie saddles (qty. 15) TW12 Velcro® cable strap (qty. 12)

### Cable Management Pad

Innovative material mounts to OWP Series Lacer and reduces weight of cables by 40% and stops the need to over tighten cable fasteners to the point of deformation. Heavy cable bundles are kept in place, reducing strain on connections and tie points with the anti-slip cable pad's permanent high friction surface. The ASP-OWP also reduces the occurrences of Return Loss by avoiding over-tightening hook and loop straps.

Part #	Qty.
ASP-OWP	4
ASP-OWP-6	24

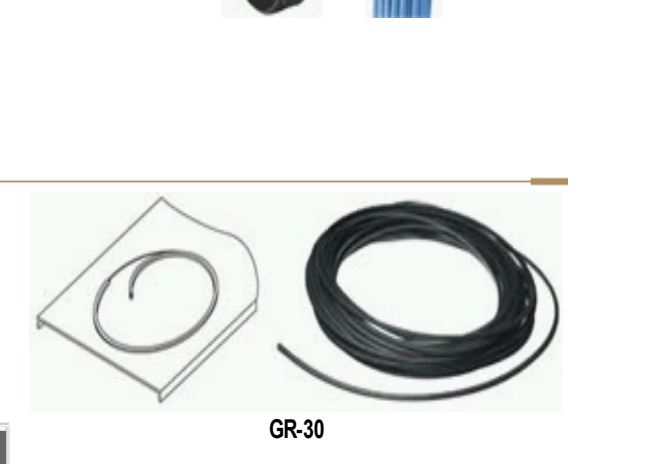


ASP-OWP ASP-OWP on LACE-44-OWP

### The Brush Grommet Panel

The brush grommet panels provide a clean, organized cable entry method when used in conjunction with any work surface. Features a built-in cable management tray. Available in 1 and NEW 2 space versions. 2 space brush grommet panel fits in opening on all MW Series top options.

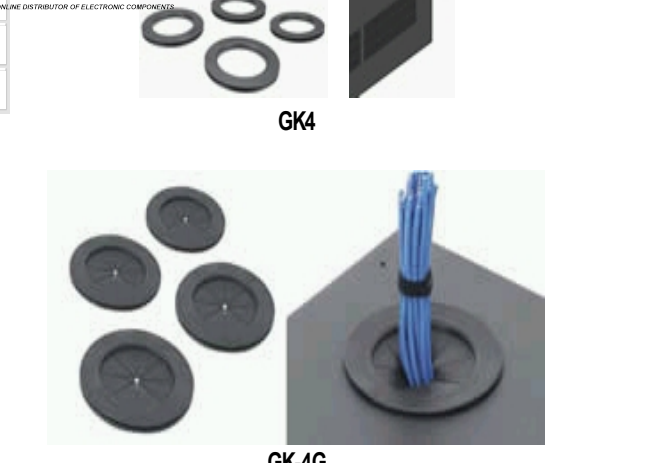
Part #	Racking Height
BR1	1-3/4" (1 space)
BR2	3-1/2" (2 space)



### Cable Management Straps

Fasten cable bundles securely while maintaining the integrity of the cable. TW12 cable management straps are perfect for managing cables that are sensitive to strain and are 8" long.

Part #	Description	Qty
TW12	8" cable/wire management straps	12



### Protective Grommet

Protect cables with these rubber grommets. The 30 ft. GR30 can be custom cut for any opening. GK4 grommets work with any 4" trade-size electrical knockout and resist cable chaffing. The GK-4G gland grommets additionally block dust and help control airflow within an enclosure. 4" grommets are sold in packs of four.

Part #	Description	Qty
GR-30	grommet, 30 ft. long, fits any material up to 1/8" thick	1
GK-1X7G	1" x 7" gland grommet ring	4
GK-3G	3" gland grommet ring	4
GK4	4" grommet ring	4
GK-4G	4" gland grommet	4



### The Claw

The unique dual-size "claw" configuration of this versatile w/ aluminum cable hanger provides efficient storage for all cables large and small. Available with side trays for holding small items, or without for increased storage density. Black powder coat finished.

Part #	Dimensions
CLAW	16" w x 3-1/2" deep, w/ th side trays
CLAW14	14" w x 3-1/2" deep



### Horizontal Cable Tray

- Mounts on any 19" rack
- Neatly routes cables side-to-side on face of rack
- Finished in durable black powder coat

Part #	Racking Height
HCT-1	1-3/4" (1space)
HCT-2	3-1/2" (2 space)



### Utility Panel

Give your drill a rest - our panels are pre-punched with plenty of slots. This economical panel is capable of mounting everything from electrical boxes to power strips. 16-gauge flanged steel construction, black powder coat finish, occupies 1 rackspace (1 3/4").

Part #
UP1

