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CABLE MANAGEMENT SYSTEMS FOR DATA CENTERS

www.pemsa-rejiband.com

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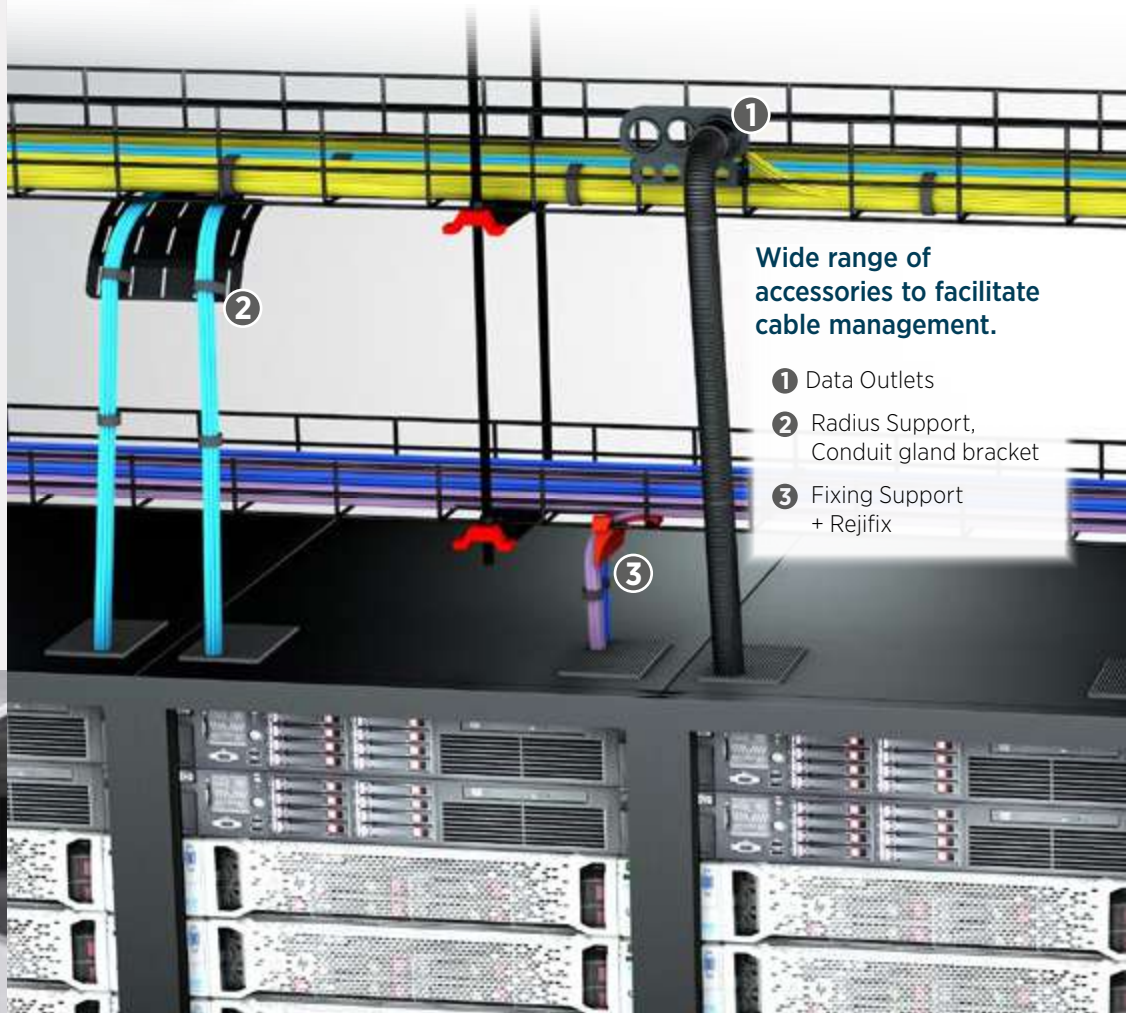
rejiband® RAPIDE

BLACK C8® IEC 61537

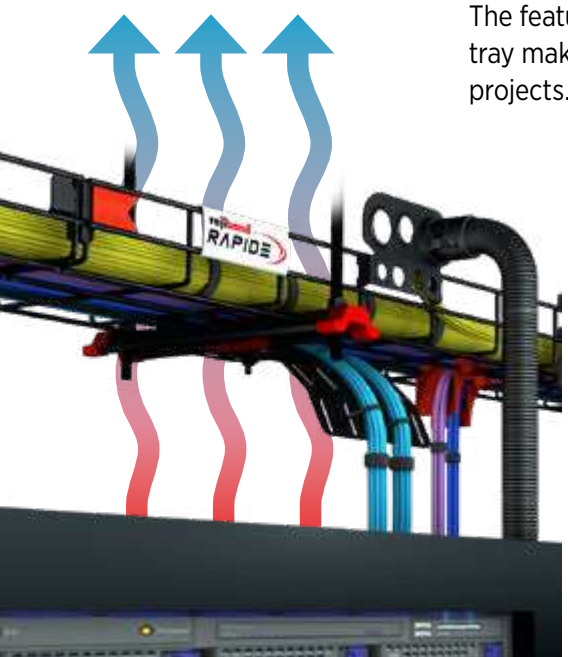
SECURITY AND FLEXIBILITY

The growth of the Internet of Things (IoT) and Industry 4.0, the demand for higher network speeds and the evolution of emerging technologies, are all developments that require the network to extend to the edge and closer to the end user. These events inspired Pemsa Cable Management to develop a product solution to improve the safety, flexibility and efficiency of cable support and management in such technical and demanding environments as Data Centers.



Wide range of accessories to facilitate cable management.

1. Data Outlets
2. Radius Support, Conduit gland bracket
3. Fixing Support + Rejifix



The features of the Rejiband® and Rapide BLACK C8® wire mesh tray make it one of the most suitable systems in today's Data Center projects.

The **open structure** of Rejiband® achieves perfect visibility of the cables along their entire route, optimising their organisation and maintenance, **improving ventilation, dissipation and the overall energy efficiency of the Data Centre installation**.

The **resistance and flexibility of Rejiband®** allows maximum use of its capacity and better adaptation to the route of the installation, facilitating subsequent modifications.

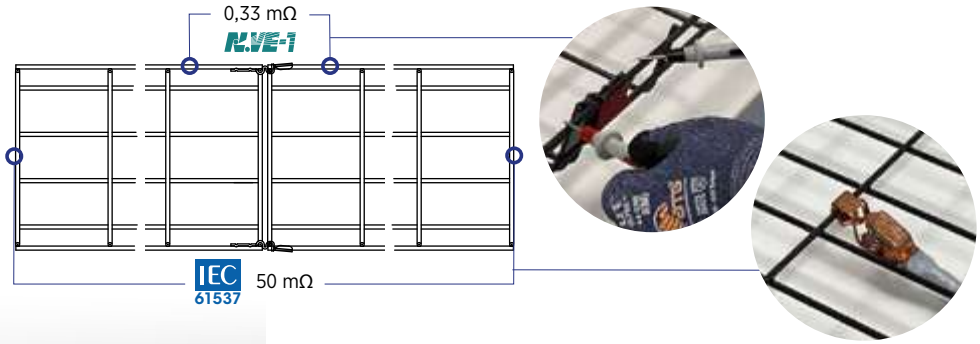
Wide range of accessories that favour cable management.

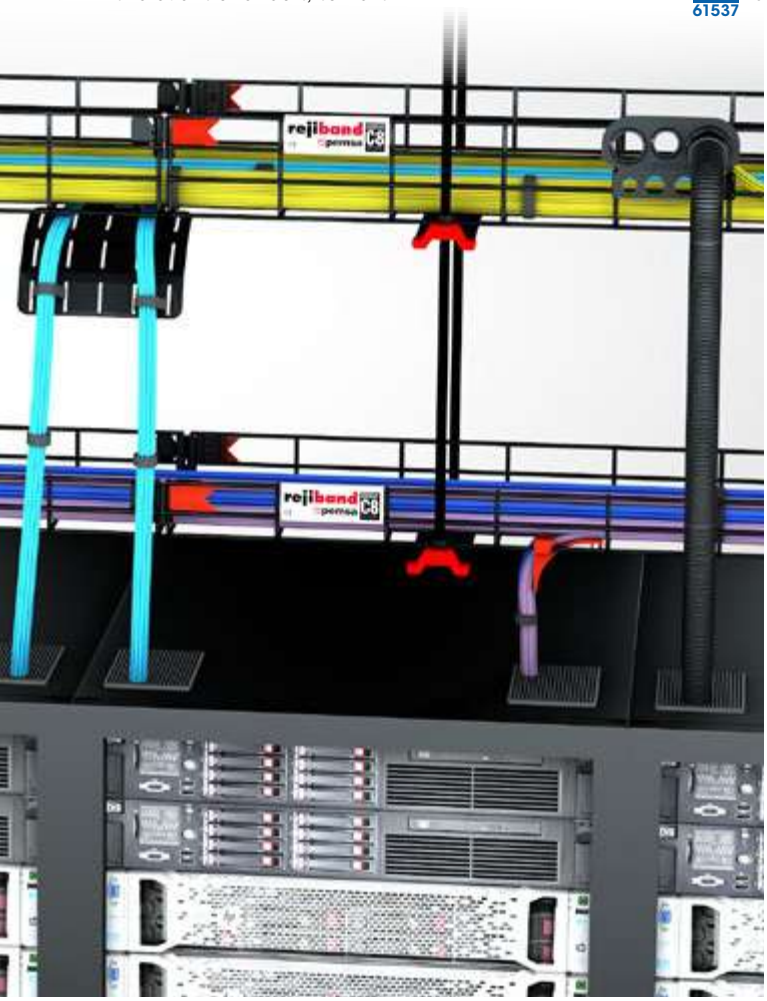
Smooth and homogeneous finish with a safety edge that protects the telecommunications cabling.

Electrical conductivity

Compliant with the requirements of the international product standard IEC61537 and the American standard NEMA VE-1.

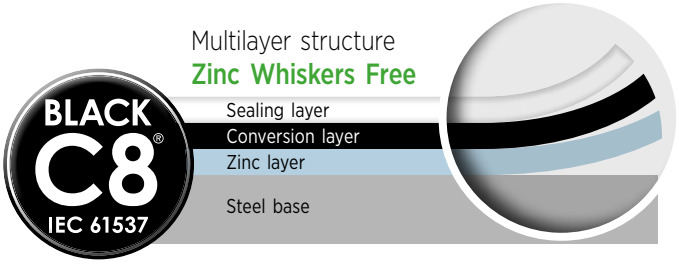
Equipotential connection with other conductive elements, as well as the evacuation of induced currents, and in the event of a fault, to Earth.





Protection against Zinc whiskers

The phenomenon known as zinc whiskers is caused by microscopic filaments that appear in certain zinc coatings which, when detached, can interact with electronic equipment. The Black C8® system is a multilayer coating, whereby its composition intrinsically blocks the appearance of these zinc filaments.



BK8. Complete high strength system

High performance coating against corrosion. Tested with cyclic tests, which reproduce the real behaviour of the materials in a humid and aggressive environment, with a result of more than 2,600 hours of performance and 16 cycles, according to ISO 11997-1 standard.

Fire Resistance E90 Certifcation. DIN 4102-12

Rejiband® is non-combustible, does not cause toxic fumes, does not spread fire, and maintains its load-bearing strength at 1000ºC.

A system with all the quality and safety guarantees

Underwriters Laboratories (UL):
Certified E-305934 (Safety use in USA y CA), according to NEC / NFPA 70 Regulation and NEMA VE-1 standard.

AENOR Internacional:
AENOR N mark certificate, according to IEC 61537.
Rejiband®, Nº 030/002090
Rejiband Rapide®, Nº 030/002503
Supports, Nº 030/002089

IECEE CB SCHEME
Rejiband Rapide®
Certificate No. ES-2265A1, according to IEC 61537.

EU Declaration of Conformity (CE marking), according to UNE-EN 61537 and Low Voltage Directive 2014/35 / EU.

Low Voltage Directive (LVD): 2014/35 / EU.

RoHs Directive: 2011/65 / EU.

REACH Regulation: 1907/2006.

COMPLETE SYSTEM FOR CABLE MANAGEMENT

The BLACK C8® system is made up of a complete range of accessories with the same characteristics. It has a wide variety of supports, which adapt to any load requirement and to the routing of the installation, with all the advantages and guarantee of PEMSA's Rejiband® system.

	cable trays		Unions					
Dimensiones	rejiband® RAPIDE BLACK C8®	rejiband® BLACK C8®	Click Connector	Reinforced Joint Clamp	Fast Clip	Omega Suspension	Suspension Hanger	Central Hanging Plate
60x60-2	60582060	60282060	2x 64080030	2x 64080061	64080072	-	-	-
60x100	60582100	60282100				63082104	-	2x 67080046
60x150	60582150	60282150				63082154	-	2x 67080046
60x200	60582200	60282200				63082204	2x 81000022	2x 67080046
60x300	60582300	60282300	3x 64080030	3x 64080061		63082304	2x 81000022	-
60x400	60582400	60282400				63082404	2x 81000022	-
60x450	60582450	60282450	4x 64080030	4x 64080061		63082504	2x 81000022	-
60x500	60582500	60282500				63082504	2x 81000022	-
60x600	60582600	60282600				63082604	2x 81000022	-
100X100	60583100	60283100	2x 64080030	2x 64080061		63082104	-	-
100X150	60583150	60283150				63082154	-	-
100X200	60583200	60283200				63082204	2x 81000022	-
100X300	60583300	60283300	3x 64080030	3x 64080061		63082304	2x 81000022	-
100X400	60583400	60283400				63082404	2x 81000022	-
100X450	60583450	60283450	4x 64080030	4x 64080061		63082504	2x 81000022	-
100X500	60583500	60283500				63082504	2x 81000022	-
100X600	60583600	60283600				63082604	2x 81000022	-
150X200	-	60286200	5x 64080030	5x 64080030		-	-	-
150X300	-	60286300				-	-	-
150X400	-	60286400				-	-	-
150X450	-	60286450	6x 64080030	6x 64080030		-	-	-
150X500	-	60286500				-	-	-
150X600	-	60286600				-	-	-

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Ceiling support					Wall support		Floor support	Other accessories
Central Click Suspension	Side Support 60	Threaded Rod	Omega Ceiling Bracket	Pendant Omega (*) + Support	Omega SPLUS Bracket	Medium Duty Cantilever RPLUS	Solar Totem	Cover
-	62081060		-	-	62081154	62085103	1x 82003450	82004011
67080043	62081060		62082104	-	62081104	62085103	1x 82003450	82004012
67080043	62081060		62082154	-	62081154	62085153	1x 82003450	82004013
67080043	-		62082204	-	62081204	62085203	1x 82003450	82004014
-	-		62082304	62081304	62081304	62085303	2x 82003450	82004015
-	-		-	62081404	62081404	62085403	2x 82003450	82004016
-	-		-	-	-	62085503	2x 82003450	82004017
-	-		-	62081504	-	62085503	2x 82003450	82004018
-	-		-	62081604	-	62085603	2x 82003450	82004019
-	-		62082104	-	62081104	62085103	1x 82003450	82004012
-	-		62082154	-	62081154	62085153	1x 82003450	82004013
-	-	67080045	62082204	-	62081204	62085203	1x 82003450	82004014
-	-		62082304	62081304	62081304	62085303	2x 82003450	82004015
-	-		-	62081404	62081404	62085403	2x 82003450	82004016
-	-		-	-	-	62085503	2x 82003450	82004017
-	-		-	62081504	-	62085503	2x 82003450	82004018
-	-		-	62081604	-	62085603	2x 82003450	82004019
-	-		-	-	62081204	62085203	1x 82003450	82004014
-	-		-	62081304	62081304	62085303	2x 82003450	82004015
-	-		-	62081404	62081404	62085403	2x 82003450	82004016
-	-		-	-	-	62085503	2x 82003450	82004017
-	-		-	62081504	-	62085503	2x 82003450	82004018
-	-		-	62081604	-	62085603	2x 82003450	82004019

(*) Height, Length of pendant. Correspondences: 60 - 400 / 100 - 500 / 150 - 600.

CABLE MANAGEMENT ACCESSORIES

The BK8 System has a wide range of accessories that facilitate cable management They enable safe and appropriate cable management and routing for the connection of the different equipment in a Data Centre.

RADIUS SUPPORT

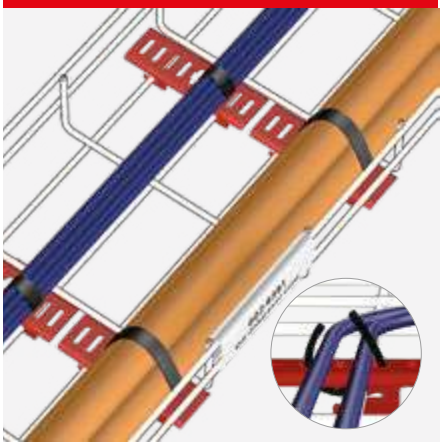
Features

- Maximum protection of the wiring in the bends or tees.
- Suitable for cable trays with heights of 60, 100 and 150mm.
- Available in EZ and BK8 Protection Systems.

⌇⌣⌇ • 60-100 • 60-600

S		Ref	kg/u	
EZ	60	82003330	0.351	1
	100	82003328	0.518	1
	150	82003453	0.728	1
GC	60	82003332	0.380	1
	100	82003329	0.561	1
	150	82003455	0.788	1
BK8		On request	0,366	1

FIXING SUPPORT + REJIFIX



Features

- Allows a quick and flexible way to clamp cables.
- Can be placed in the full width of the tray.
- Fixing by quick click system.
- Economical and reusable system.

Fixing support

⌇⌣⌇ • 35-60-100-150 • 60-600

Ref	kg/u	
68000010	0,009	20

Rejifix

⌇⌣⌇ • 35-60-100-150 • 60-600

Ref	kg/u	
68000002	0,140	1

CLICK DIVIDER

Features

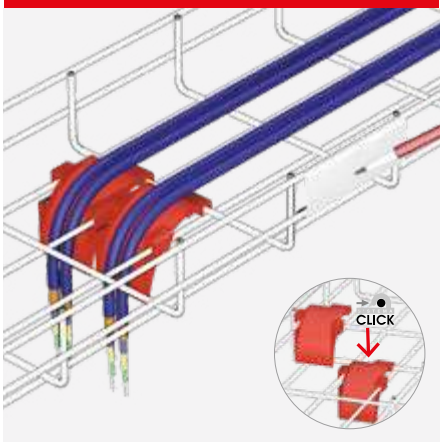
- Fixing by quick mount click system.
- Allows separation of cable circuits, improving their management and maintenance.
- Encourages shielding between data and power cables within the same installation.

⌊⌋ • 35-60-85-100 • 60-600

S	A		Ref	kg/m	
PG	25	35	67020610	0,212	60
	50	60	67020611	0,312	48
	80	100	67020612	0,444	36
AZ+	50	60	81000312	0,386	48
304	25	35	67050610	0,207	60
	50	60	67050611	0,305	48
	80	100	67050612	0,430	36
316L	25	35	67060610	0,207	60
	50	60	67060611	0,305	48
	80	100	67060612	0,430	36

Discover how to install these accessories in this video

DATA OUTLET



Features

- Protects the radius and curvature of the cable.
- Optimum Bending Radius <50mm.
- Suitable for UTP Cat and Fibre optic data cables.
- Fixing by quick mount click system.

• 35-60-100-150 • 60-600		
Ref	kg/u	
67020039	0,014	10

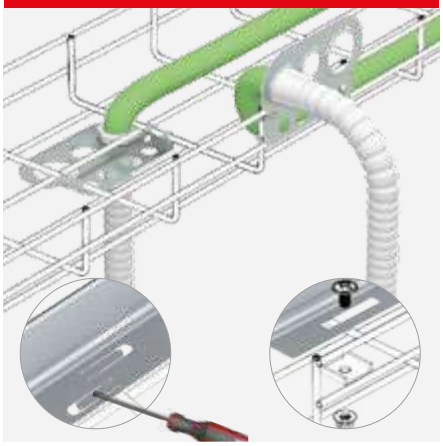
CABLE OUTLET

Features

- Protects the outlet of power and data cables.
- It allows for the angle to be adjusted between 0 and 90°.
- It has slots for the attachment of several cable bunches in parallel.
- Facilitates lateral cable management in cabinets or racks.

• 35-60-100-150 • 60-600			
	Ref	kg/u	
PG	67010016	0,132	1
GC	67030016	0,157	1
BK8	Consultar	0,135	1

CONDUIT GLAND BRACKET



Features

- Protects the cable outlet.
- Can be used with LG-PA and ST-PA Pemsaflex polyamide conduits.
- It accepts fittings in sizes of: PG13, PG16, PG21, M20 and M25.

• 60-100-150 • 60-600			
	Ref	kg/u	
EZ	67010040	0,065	10
BK8	67080040	0,082	10

• 60-100-150 • 60-600				
		Ref	kg/u	
EZ	M20, PG13, ½"	67010240	0,101	10
	M25, PG16, 3/4"	67010340	0,097	10
	M32, PG29, 1"	67010440	0,089	10
BK8	M20, PG13, ½"	67080240	0,101	10
	M25, PG16, 3/4"	67080340	0,097	10
	M32, PG29, 1"	67080440	0,089	10

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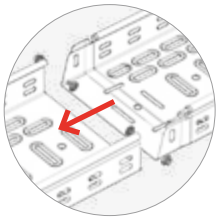
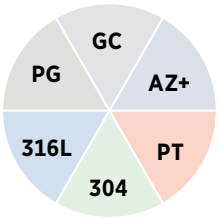
pemsaband® one

Perforated and solid metal sheet cable trays

ADVANTAGES AND FEATURES



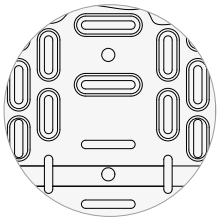
Quick Click Joint System CLICK



Wide range of protection systems

Safety edge. Protects and strengthens the cable tray

Universal Click System on Accessories. Compatible with all cable trays



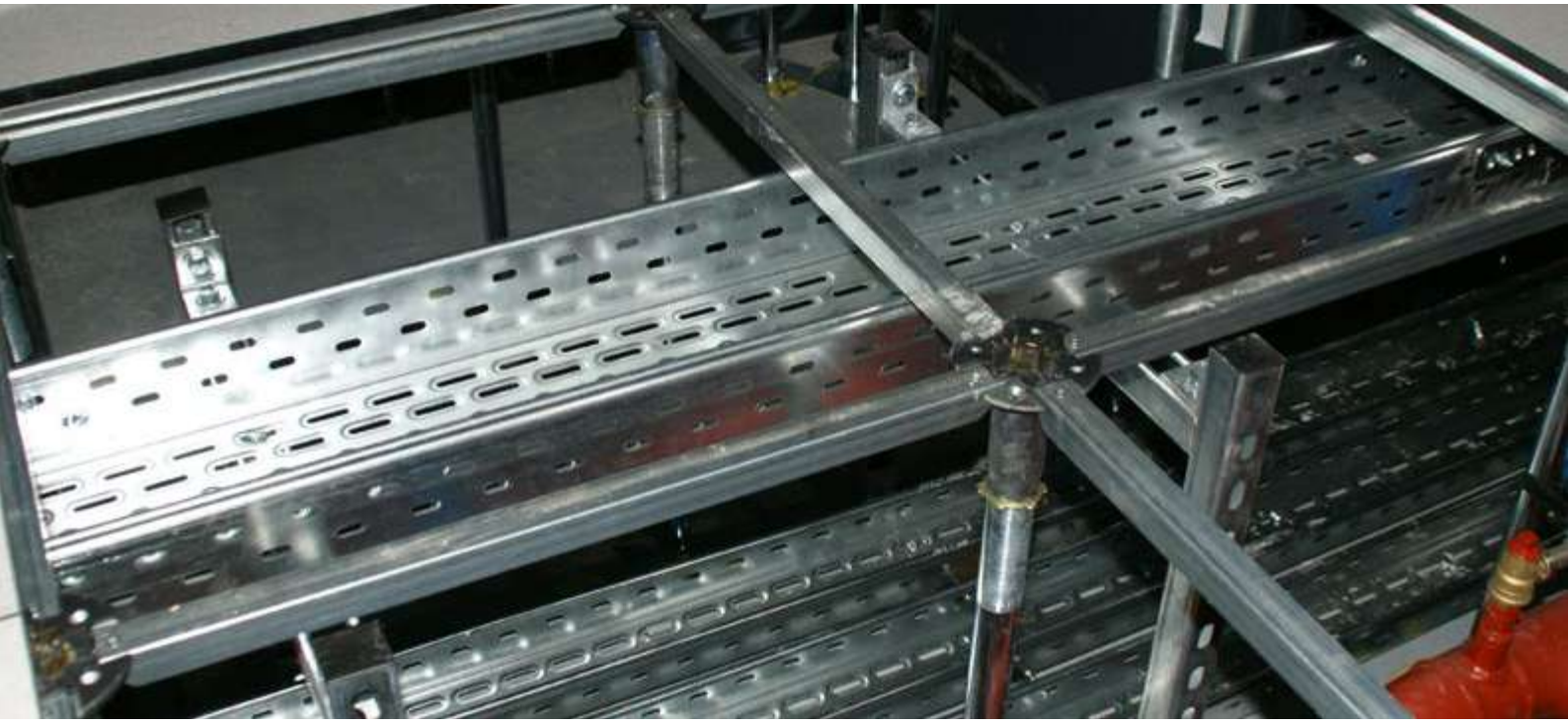
Perforated and embossed base increases the load capacity

HIGHLIGHTS

High resistance protection systems

Quick Click Joint System available in 100mm height

Paint service on request, other RAL colours on demand.



INTERNAL DATA AND POWER CABLE MANAGEMENT

PG Protection system Pregalvanised

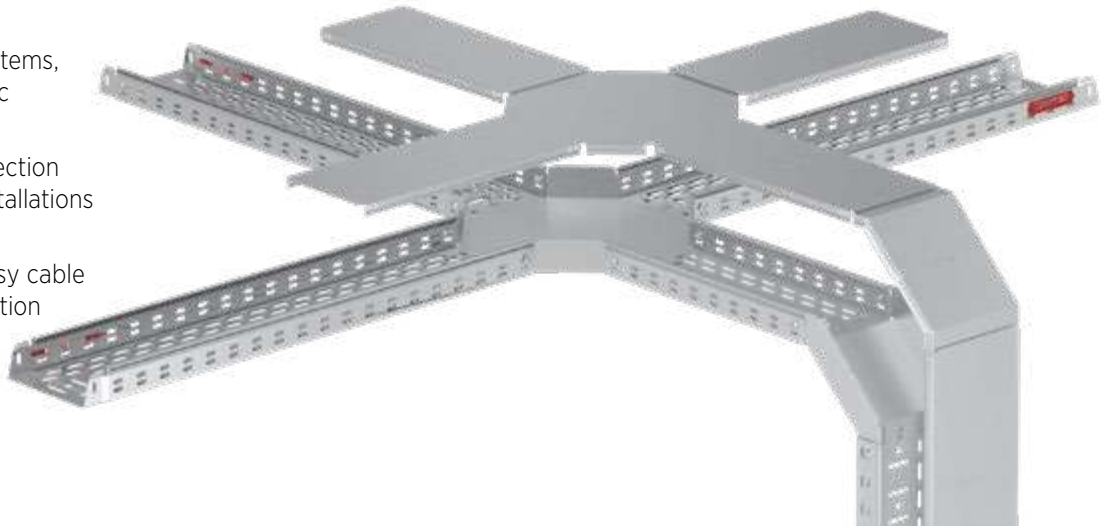
EXTERNAL DATA AND POWER CABLE MANAGEMENT

GC **AZ+** Protection system Hot dip galvanising and AZ+

CE E90 IEC 61537 CLICK 35, 60, 100 • 100-600 • 3000

System features

- PG Pre-galvanised protection systems, blocks the appearance of the Zinc whisker phenomenon
- GC and AZ+ high resistance protection systems. Suitable for outdoor installations in humid environments.
- Wide range of accessories for easy cable routing depending on the installation route



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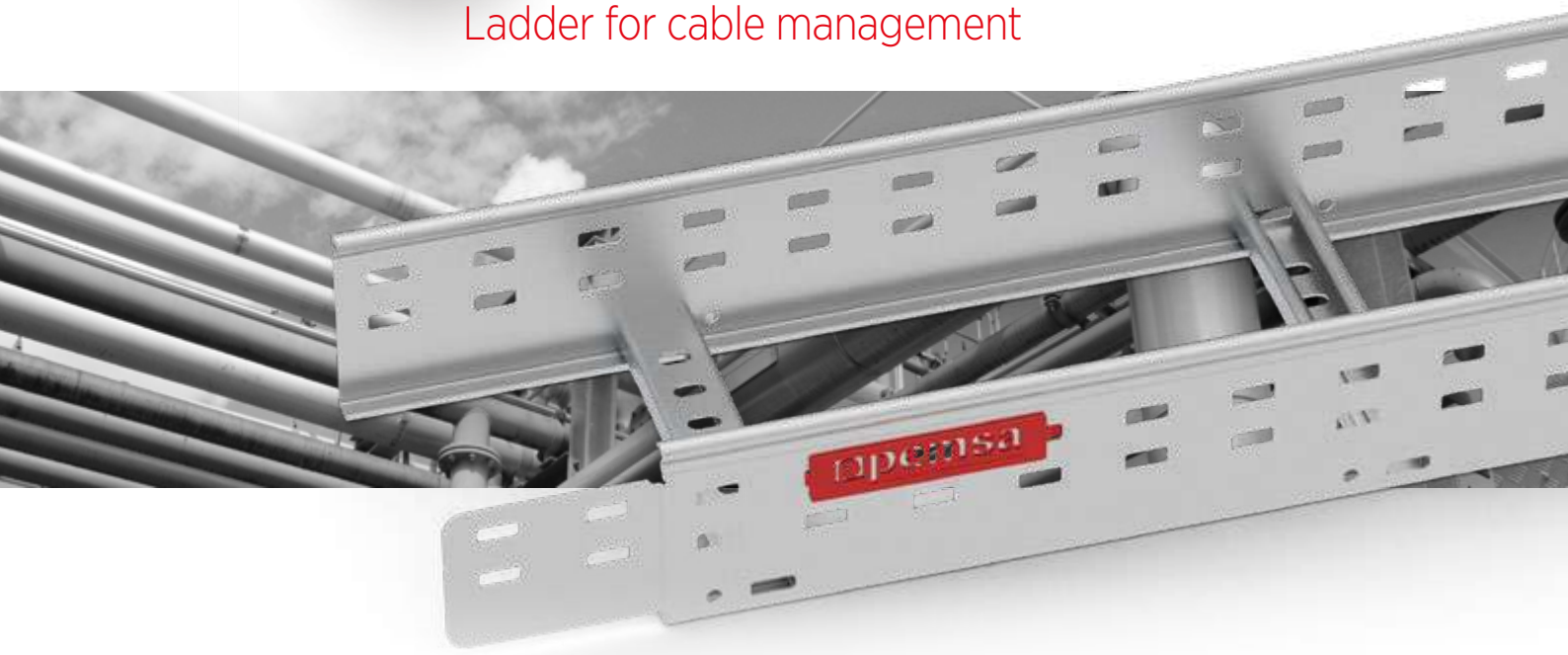
megaband®

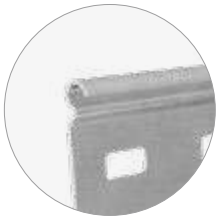
Ladder for cable management



ADVANTAGES AND FEATURES

Quick Click Joint System CLICK

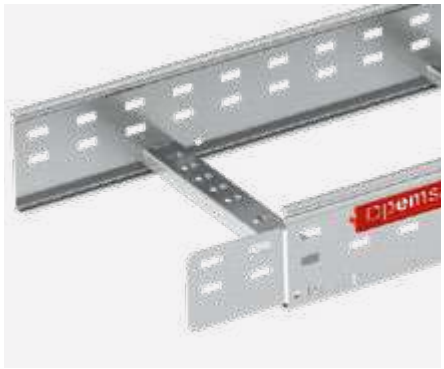
Wide range of finishes and coatings



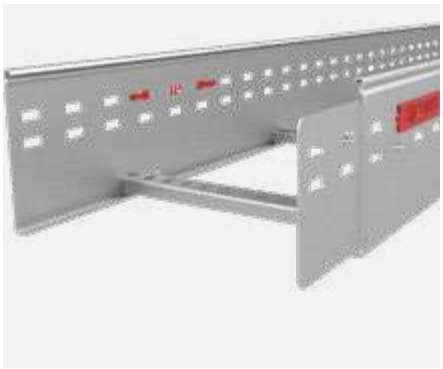
Safety edge. Protects and strengthens the cable Ladder

Quick Click Joint System on accessories

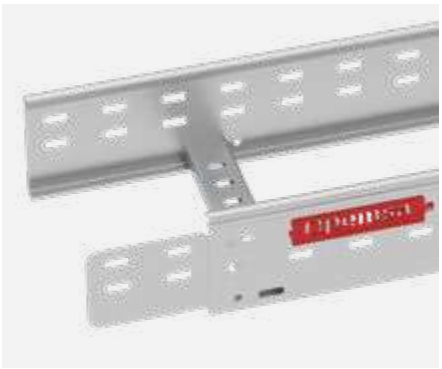
HIGHLIGHTS



Pre-Galvanised. New finish for internal installations

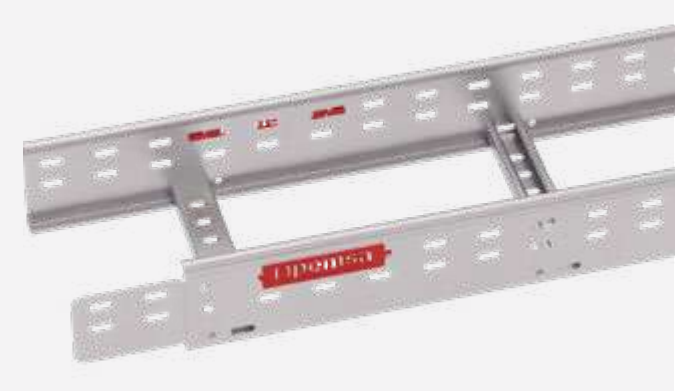


New 150 height.
Load capacity increased



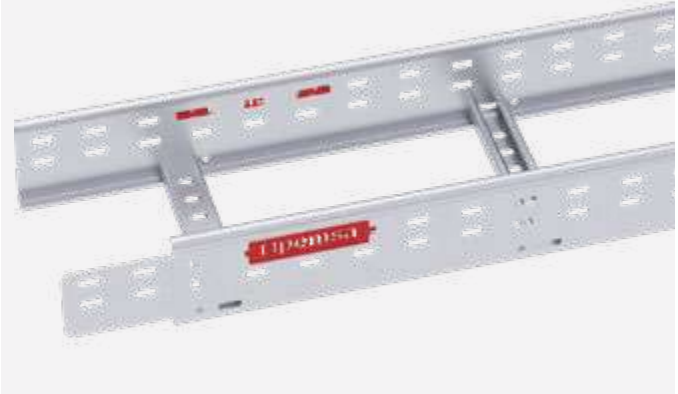
High resistance protection systems

INTERNAL DATA AND POWER CABLE MANAGEMENT



PG Protection system Pregalvanised

EXTERNAL DATA AND POWER CABLE MANAGEMENT



GC **AZ+** Protection system Hot dip galvanising and AZ+

IEC 61537 N.VE-1 CLICK

60, 100 • 100-900 • 3000

System features

- PG Pre-galvanised protection systems, blocks the appearance of the Zinc whisker phenomenon
- GC high resistance protection systems. Suitable for outdoor installations in humid environments.
- Wide range of accessories for easy cable routing depending on the installation route

DATA CENTER JOB REFERENCES

Project	Location	Client
CPD MAD2	Algete (Madrid)	MICROSOFT
CPD NABIAX ADC2	Alcalá de Henares (Madrid)	NABIAX
CPD TORO Y DIEGO	Alcobendas (Madrid)	DATA4
CPD TORNADO	Alcobendas (Madrid)	DATA4
CPD SOL	Alcobendas (Madrid)	DATA4
ECI GLOBAL SWICH	San Fernando de Henares (Madrid)	GLOBAL SWITCH
CPD EL PARDO	Madrid	MINISTERIO DEL INTERIOR
CPD MINISTERIO DE DEFENSA	El Pardo, Madrid	MINISTERIO DE DEFENSA
CYRUSONE MADRID I	Alcobendas (Madrid)	CYRUSONE
CPD IRON MOUNTAIN	San Fernando de Henares (Madrid)	IRON MOUNTAIN
DATA CENTER EDGE SANT BOI	Sant Boi (Barcelona)	EDGE CONNEX
AMAZON NCL 2 (STOCKTON)	Billingham (UK)	AMAZON WS
AMAZON WEB SERVICES GERMANY DATA CENTER	Hof (Germany)	AMAZON WS
EQUINIX DB4 BLANCHARDSTOWN	Dublin (Ireland)	EQUINIX
NABIAX DATA CENTER	Alcalá de Henares (Madrid)	NABIAX
CPD MICROSOFT ALGETE MAD1 + MAD2	Algete (Madrid)	MICROSOFT
CPD - E-SHELTER - Las Rozas	Las Rozas (Madrid)	E-SHELTER, NTT
MD GOBLAL SWITCH	Madrid	GLOBAL SWITCH
AMAZON WEB SERVICES SPAIN DATA CENTER	Villanueva de Gállego (Huesca)	AMAZON WS
AMAZON WEB SERVICES SPAIN DATA CENTER	El Burgo de Ebro (Zaragoza)	AMAZON WS
GOOGLE DATA CENTER	Tokio (Japan)	GOOGLE
ENLARGEMENT GOOGLE DATA CENTER	Eemshaven (Netherlands)	GOOGLE
EQUINIX MADRID DATA CENTER MD2	Alcobendas (Madrid)	EQUINIX
EQUINIX MADRID DATA CENTER MD1	Alcobendas (Madrid)	EQUINIX
DPC TELEFONICA PHASE II (TIER IV)	Alcalá de Henares (Madrid)	MOVISTAR
CPD MAD1, MAD2, MAD3	Madrid	INTERXION
HEMEL HEMPSTEAD	U.K	-
EQUINIX DATA CENTER	Slough (U.K)	EQUINIX
WEB HOTEL DATA CENTER	Taastrup (Denmark)	GLOBAL CONNECT
CPD PORTUGAL TELECOM (TIER IV)	Covilha (Portugal)	PT TELECOM
DPC MAPFRE ASSUNRANCES (TIER IV)	Alcalá de Henares (Madrid)	MAPFRE
DPC TELEFONICA (TIER IV)	Alcalá de Henares (Madrid)	MOVISTAR
CPD VODAFONE	Madrid	VODAFONE
CPD INDRA	Albacete	INDRA
CPD BBVA Phase II	Tres Cantos (Madrid)	BBVA
CPD Banco Santander	Santander	SANTANDER
CPD Centro de Gestión de Alarmas de BBVA.	Tres Cantos (Madrid)	BBVA
CPD Campus BBVA La Moraleja	Alcobendas (Madrid)	BBVA

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