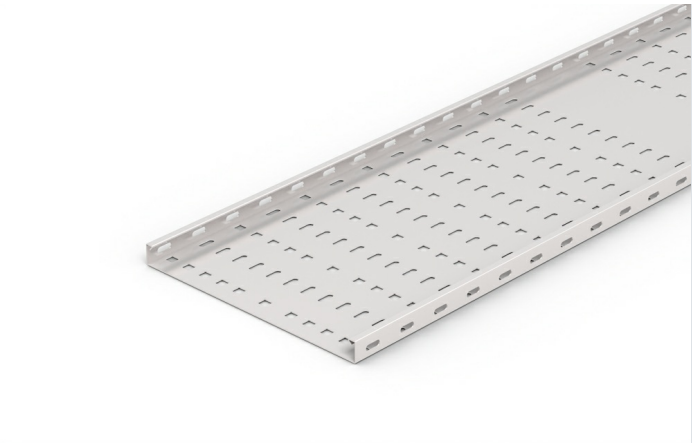
Pemsaband Vulcan

17/09/2026

Pemsaband Vulcan Medium Duty (Ref: 82004632)



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Product data

ETIM 10		**Matériel**	Acier avec prot. superficielle
Huella de CO2. GWP A1-A3 (kg CO2 eq.)		**Résistance aux impacts (J)**	20 J
Système de protection	PG	**Section (mm2)**	7083
Finition	PG3, Pre-galvanisé	**IP**	IP23
Classé du Résistance	Classe 3	**Température de travail (°C)**	-50 / 150 ºC
Hateur (mm)	25	**Résistance au feu**	A1 Non combustible
Largeur (mm)	300		
Longeur (m)	3		

Ⓢ Système de Protection

CU - Cuivrage

PG - Pre-galvanisé

EZ - Electrozingage

BC - Electrogalvanised Bichromate / Electrozingage Bichromaté

BK8 - Protection Haute Résistance

GC - Galvanisation à Chaud /

INOX - Acier Inoxydable. AISI 304, AISI 316L

PT - Peinture Polyester

AL - Aluminium

LN - Laiton or Laiton Nickelé

Ⓜ Matériaux isolants

PC+ABS - Halogen Free Polycarbonate + ABS / Polycarbonate + ABS sans halogène

PVC - Polychlorure de vinyle

PP - Polypropylène sans halogène

PA6 - Polyamide 6 sans halogène

PA12 - Polyamide 12 sans halogène

PU - Polyuréthane

PE - Polyéthylène

NBR - Caoutchouc NBR

PET - Polyesterester Thermoplastique

TPV - Thermoplastique

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Load diagrams

pemsaband VULCAN

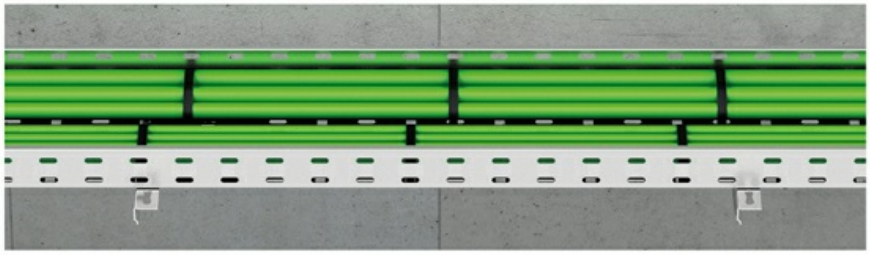
pemsaband® VULCAN

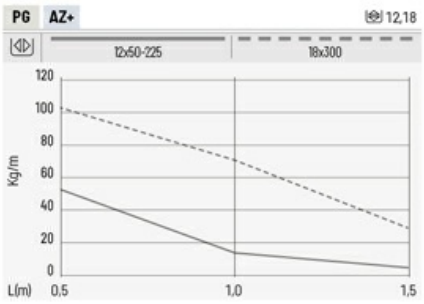
Technical data

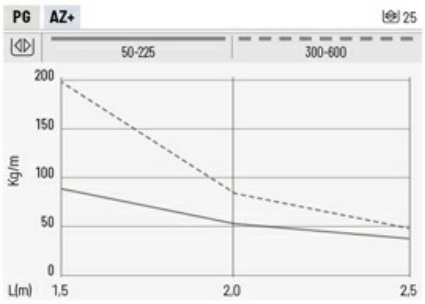
Test for safety working loads installed in the horizontal way

Values obtained in accordance with IEC 61537, edition 3, according to the horizontal tests of multiple spans listed in point 10.3.4 of this standard, with a safety factor of 170% and without collapse in any case.

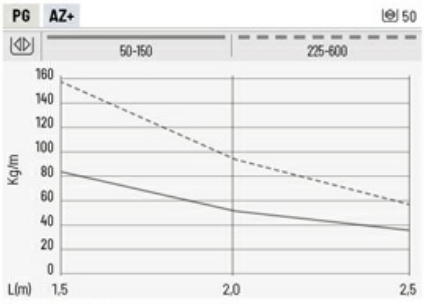
The safety working loads test on the 750 and 900 mm wide cable trays were carried out in accordance with the test method set out in section 10.4, and also included a safety factor of 170%.







Working loads for widths of 750 and 900 mm on request



Working loads for widths of 750 and 900 mm on request

Pemsaband Vulcan Medium Duty (Ref: 82004632)

Technical data

The technical data for the Pemsaband® Vulcan cable tray range, based on tests carried out in accordance with the international product standard IEC 61537, 3rd edition, is set out below.

Classification according to: IEC 61537 BS-EN 61537	
Type of material	Metallic
According to flame propagation	No flame propagation
Electrical continuity	With electrical continuity
Maximum impedance of a joint of cable trays	<50 mΩ
Maximum impedance along the length of a cable tray	<50 mΩ/m
Maximum impedance along the width of a cable tray	<50 mΩ
Maximum impedance between length and cover	<50 mΩ
Maximum impedance between the length and equipotential bonding (references 68000034 and 68000035, installed according to assembly instructions)	<50 mΩ
Electrical conductivity	Conductive
Resistance against corrosion	
Pregalvanized PG Hot Dip Galvanising GC	Class 3
AZ+ High resistance alloy	Class 8
Temperature of transport, storage, installation and use	
Minimum temperature	-50 ºC
Máximum temperature	+150 ºC
Perforation in the base area	
Pemsaband® Vulcan Perforated	B Classification
Impact strength	Up to 20 J
SWL test (Safety working loads)	
Horizontal SWL test	Spans 0.5, 1, 1.5, 2 and 2.5 meters

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Technical data

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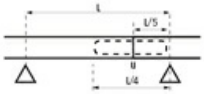
Safe working load test conditions for cable trays EN61537

IEC 61537

Support Span	0.5 m - 1 m - 1.5 m - 2 m - 2.5 (depending on cable tray height)
Longitudinal deflection	Less than 1% support span
Transverse deflection	Less than 5% of the cable tray width
Placement of joints	(L/4) > u > (L/5) 
Increased safety coefficient	1.7 times the declared safe working load

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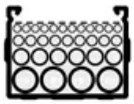
Maximum Fill Capacity

The load values shown in the load diagrams and tables above are tested and designed to allow operation at the maximum capacity based on the usable tray cross-section shown in the table below:



	50	75	100	150	225	300	450	600	750	900
	mm²									
12_18	542	822	1102	1662	2502	5000				
25	1171	1776	2381	3591	5406	7083	10653	14223	17158	20608
50	2381	3611	4841	7301	10863	14523	21843	29163	35808	43008

Cable tray configurator and selector

For more precise and specific configurations involving electrical cables, and taking into account the maximum working capacity and the usable cross-sectional area of the trays, Pemsa offers Pemsa Pro, a product configurator that selects the most suitable tray for the user-defined cable configuration. For access and more information, scan this QR code.

pemsaPro ONLINE