

Product data sheet 130.02

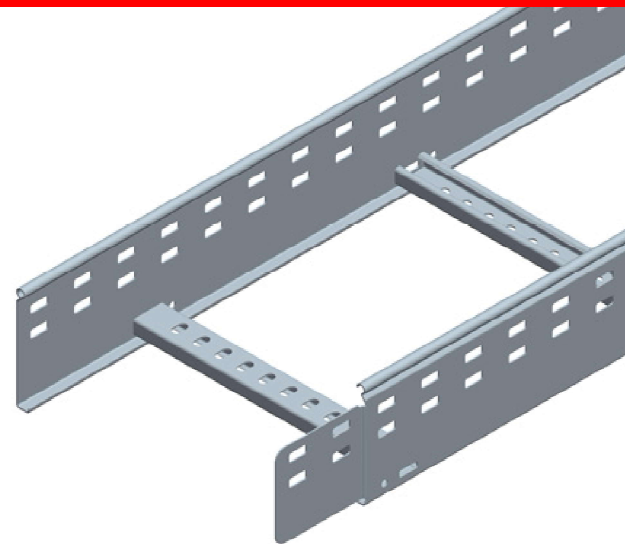
megaband[®]
Pre-Galvanised

DESCRIPTION

Metal cable ladder with alternate rungs, safety edge, integrated coupling system and high load carrying capacity for the support of electrical cables.

ADVANTAGES

- Wide range of products. Widths from 100 to 1000mm and side rail heights of 60, 100, 120 and 150 mm.
- Joining of ladder by means of fully integrated coupler system.
- Curved security edge, providing maximum safety, identifying Pemsa quality. Increased loadings due to the rigid profile.
- Alternate rungs, upwards and downwards, giving maximum options for the fixing of cables.
- Excellent connection of the rungs giving maximum guaranteed load capacity.
- Very high load capacity.



- CERTIFICATIONS -



NEMA VE 1

QUALITY MARKS

- Manufactured in accordance with IEC 61537, Cable tray systems and cable ladder systems for cable management.
- London Underground approval.
- **CE** mark compliance of the Low Voltage Directive 2014/35/UE.

Surface Protection and Corrosion Resistance:

- Free from Cr^{VI} complying with the Directive 2002/95/CE RoHS.

Pre-Galvanised in compliance with standard EN 10346

Class 3 de protection in compliance with product standard IEC 61537. Protection adequate for indoor industrial installations.

Applications:

Transportation and distribution of cables in industrial installations and applications, Textile, Food, Civil Works, Tunnels, Data Centers, Large Infrastructures, Airports, Underground, Railway etc.

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CONFIGURATION

Raw Material:

Steel, with Pre-Galvanised EN 10346 surface protection.

Configuration:

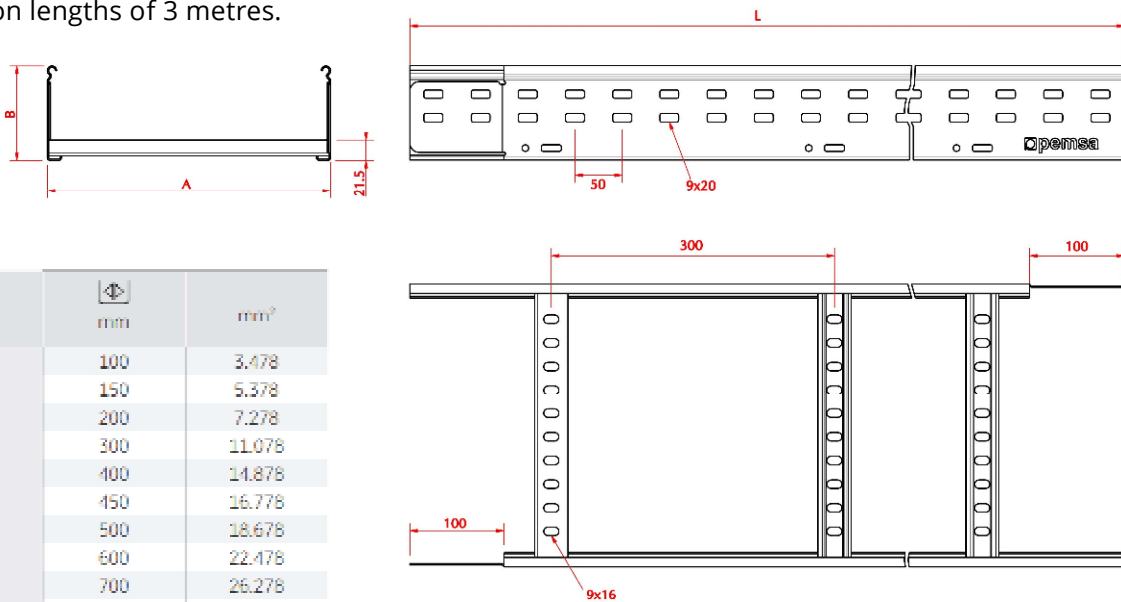
Ladder formed by 1.5 and 2.0mm longitudinal side rails and transverse rungs, according to the references.

Dimensions: (see table)

Side rail heights of 60, 100, 120 and 150 mm

Widths of 100, 150, 200, 300, 400, 450, 500, 600, 700, 750, 800, 900, 1000mm according to the references.

Section lengths of 3 metres.



⌀ mm	⌀ mm	mm ²
60	100	3.478
	150	5.378
	200	7.278
	300	11.078
	400	14.878
	450	16.778
	500	18.678
	600	22.478
	700	26.278
	800	30.078
900	33.878	
1000	37.678	

⌀ mm	⌀ mm	mm ²
100	100	7.318
	150	11.118
	200	15.118
	300	27.918
	400	30.718
	450	34.518
	500	38.518
	600	46.318
	700	54.118
	750	57.918
800	61.918	
900	69.718	
1000	77.518	

⌀ mm	⌀ mm	mm ²
120	100	9.238
	150	14.138
	200	19.038
	300	28.838
	400	38.638
	450	43.538
	500	48.438
	600	58.238
	700	68.038
	750	72.938
800	77.838	
900	87.638	
1000	97.438	

⌀ mm	⌀ mm	mm ²
150	100	17.028
	150	18.453
	200	24.878
	300	37.728
	400	50.578
	450	57.003
	500	63.428
	600	76.278
	700	89.128
	750	95.553
800	101.978	
900	114.828	
1000	127.678	

TECHNICAL CHARACTERISTICS according to IEC-61537.

Classification according to the free area within the base:

- o 100-300 width classification "X"
- o 400-1000 width classification "Y"

Resistance to impact:

System has a resistance to impact of up to 20J.

Electrical Continuity:

System has electrical continuity according to IEC 61537 which ensures an equipotential connection.

Behaviour during a fire:

There is no risk relating to fire, or spread of fire, and no emissions of toxic fumes or opaque smoke.

Classified as non-combustible according to the basic building standard NBE-CPI/96 and as A1 according to the Technical Building Code.

Working Temperature:

-50°C to 150°C according to the standard classification.

Accessories:

The system includes various accessories of Bends, Risers, Tees, Reducers and Crossovers covering the range of widths and depths.

Due to the system of integrated couplers various generic items are utilised within the Megaband ladder range.

Megaband Coupler 60	PG (93910002)
Megaband Coupler 85/120	PG (93910003)
Megaband Riser/Dropper 60	PG (93910012)
Megaband Riser/Dropper 85/120	PG (93910013)

The complete range of Megaband uses standard fixings;

Hexagonal Bolt M8x20	(67010065)
Hexagonal Nut M8	(67020095)
Hold Down Clamp	(93910021)

The system has several types of supports of which the safe working loads have been obtained using the tests described in standard IEC-61537. Optimum behaviour is dependent upon the loading of the ladder. For more information refer to the corresponding technical data within the catalogue.