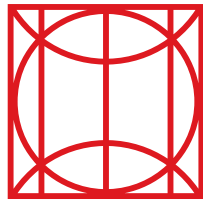


FIBERGLASS COMPOSITE

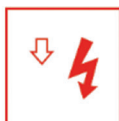


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FIBERGLASS COMPOSITE



Fiberglass composite material is dielectric and endowed with high physical-mechanical properties. It allows to use it as an insulating material. From composite profiles it is possible to build power and communication cable deployment shelf structures for use as a cable ducts.

In addition to dielectric properties, Fiberglass composite is a radionuclide material that makes it an indispensable for building an antenna towers and platforms and for protective structure for radio transceivers and radio transmitters.

Company **COMPOR** offers various cable ladders and shelving systems made of glass composite materials for the installation of an electric cables. Cable channel / shelf sizes and as well color solutions (according to the RAL catalog) may vary.

Advantages of Fiberglass composite material:

- not subject to corrosion (corrosion category C5);
- light weight;
- simple reinforcement system;
- the closing cover is installed without special tools;
- possible length of the shelf to be cut as needed according to project;
- does not deform under the influence of the temperature changes.

Electrical properties of Fiberglass composite material:

Electrical resistance, (in length) (standard IEC 60234)	to 1.58 kV/mm
Electrical strength, (perpend.) (standard IEC 60234)	to 7.9 kV/mm
Dielectric Constance, 60 Hz. (perpend.)	5.2
Spread / leakage factor 60 Hz.(perpend.)	0.03
Resistance arc (indicates longitudinal measurement)	120 sec

Fiberglass composite material complies with standard EN 13706 "Reinforced plastic composite materials - Specifications for powdered profiles". The system complies with GOST R 52868-2007 "Cable routing systems and cable ladder systems: general technical requirements and test methods".

Below are the standard dimensions of structures. If necessary, **COMPOR** can manufacture design samples according to individual sizes and requirements.

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CABLE SHELF SYSTEMS



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Cable Ladder (CL)

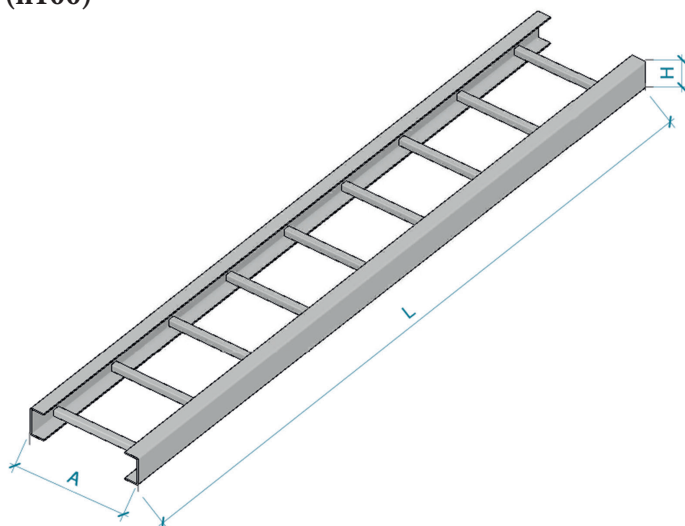
High strength shelves

CL2 (h75)

CL3 (h100)

L - 3 m; 6 m

H - 75 mm; 100 mm



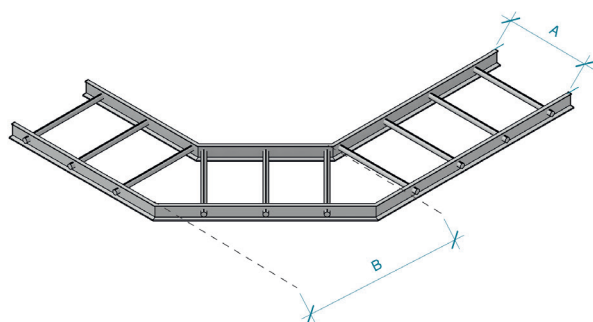
A, mm	CL2	CL3
	Weight kg/m	
	h- 75 mm	h- 100 mm
300	2.45	3.25
400	2.6	3.40
500	2.75	3.55
600	2.90	3.70
700	3.05	3.85
800	3.20	4.00

Safe working loads:

Distance between supports, m	Load, kg/m
1.5	200
2.0	140
2.5	100

Lightweight cable racks

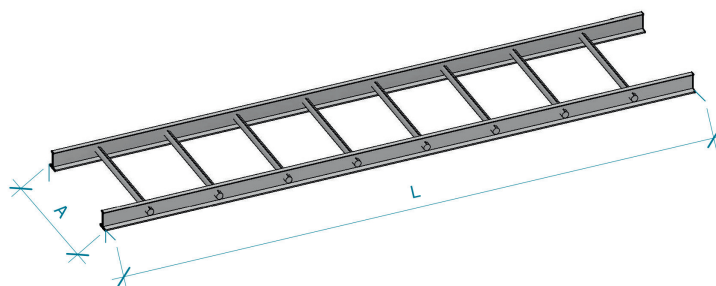
CL1 (h38)



A, mm	CL1
	Weight kg/m
	h- 38 mm
200	0.80
300	0.95
400	1.03

Safe working loads:

Distance between supports, m	Load, kg/m
1.5	80
2.0	50
2.5	25



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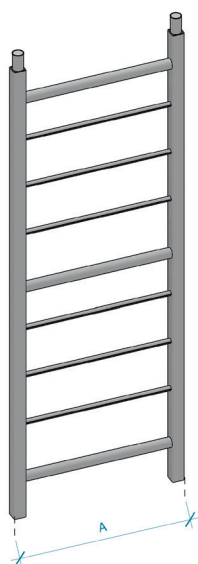


CABLE SHELF SYSTEMS



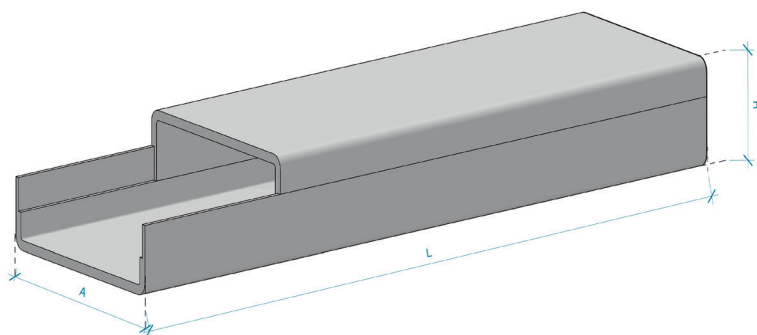
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Cable Ladder Vertical (CLV) Vertical cable stairs construction



A, mm	Weight kg/m
CLV-400	1.85
CLV-500	1.99
CLV-600	2.13
CLV-700	2.27
CLV-800	2.41

“Closed-type” cable pile system



Standard sizes for “Closed-type” cable pile system:

Width A, mm	Height H, mm	Weight, kg/m
CC-100	72	2.8
CC-150	92	4.9
CC-200	112	8.6
CC-200	152	9.4

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CABLE SHELF SYSTEMS



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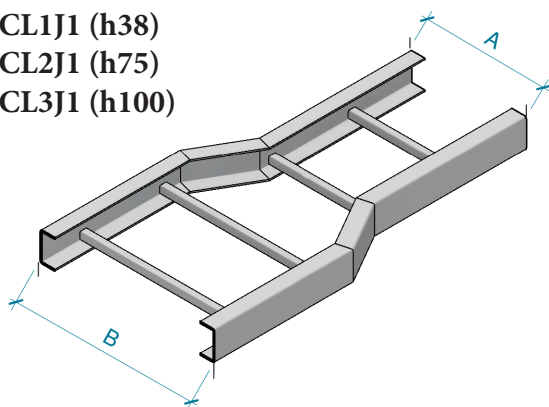
Cable Ladder Join (CLJ)

To the bottleneck

CL1J1 (h38)

CL2J1 (h75)

CL3J1 (h100)

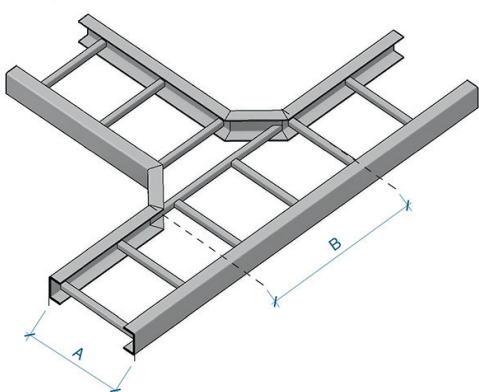


B, mm	A, mm			
		300	400	500
	600	1000	1000	
	700	1000	1000	800
	800	1200	1000	1000
L, mm				

H- 75 mm; 100 mm

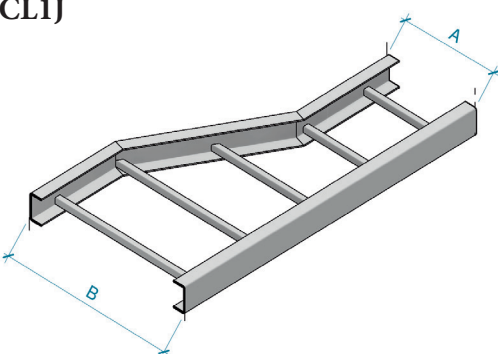
T Module 90°

CL1JT



B (B1)		A					
		300	400	500	600	700	800
	300 (350)	1000(700)	1000(800)	1000(900)	1000(1000)	1000(1100)	1000(1200)
	400 (450)	1100(700)	1100(800)	1100(900)	1100(1000)	1100(1100)	1100(1200)
	500 (550)	1200(700)	1200(800)	1200(900)	1200(1000)	1200(1100)	1200(1200)
	600 (650)	1300(700)	1300(800)	1300(900)	1300(1000)	1300(1100)	1300(1200)
	700 (750)	1400(700)	1400(800)	1400(900)	1400(1000)	1400(1100)	1400(1200)
	800 (850)	1500(700)	1500(800)	1500(900)	1500(1000)	1500(1100)	1500(1200)
L (L1)							

CL1J

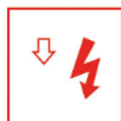


B, mm	A, mm			
		300	400	500
	600	1000	1000	
	700	1000	1000	800
	800	1200	1000	1000
L, mm				

H- 75 mm; 100 mm
Left/Right

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CABLE SHELF SYSTEMS



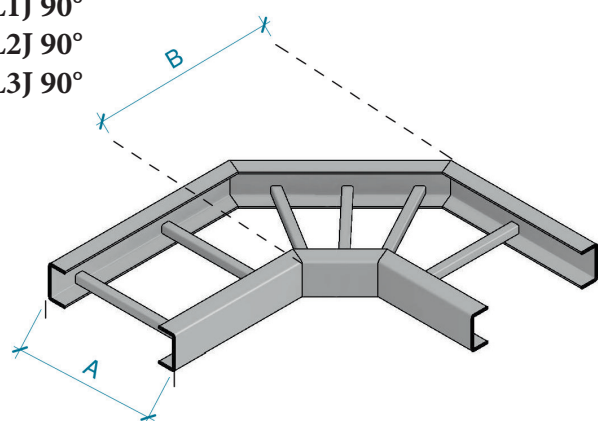
COMPOR

90°

CL1J 90°

CL2J 90°

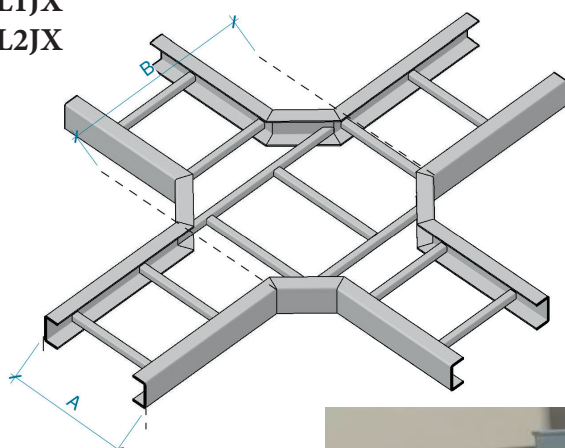
CL3J 90°



A, mm	B, mm
300	450
400	550
500	650
600	750
700	850
800	950

CL1JX

CL2JX

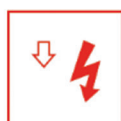


A, mm	B, mm
300	450
400	550
500	650
600	750
700	850
800	950



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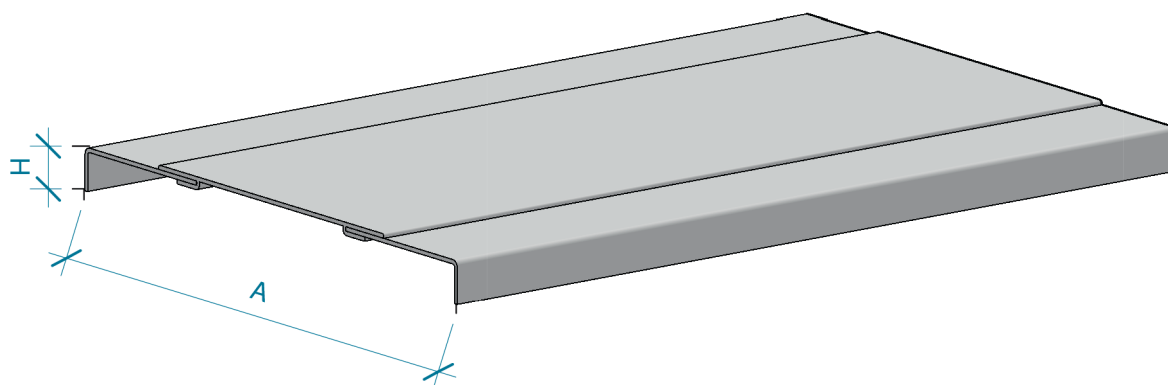


PROTECTIVE COVER



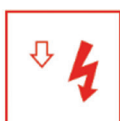
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In case according to project it is necessary to have closed type project ladder/shelves, COMPOR offers a protective cover of the appropriate size. Except when necessary to close the circle. The material can not be folded.



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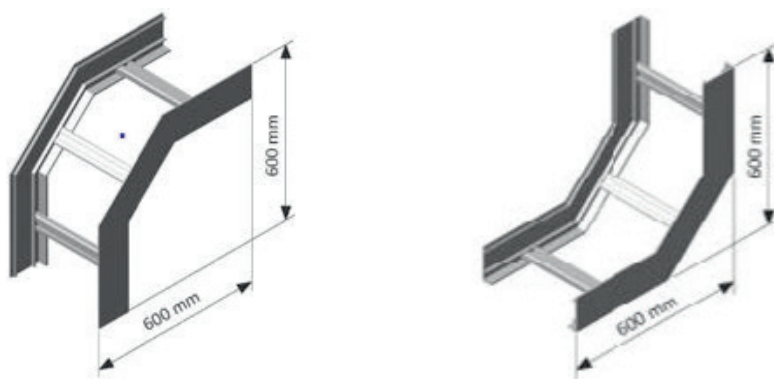


CABLE CHANNELS AND STAIRS ANGLES

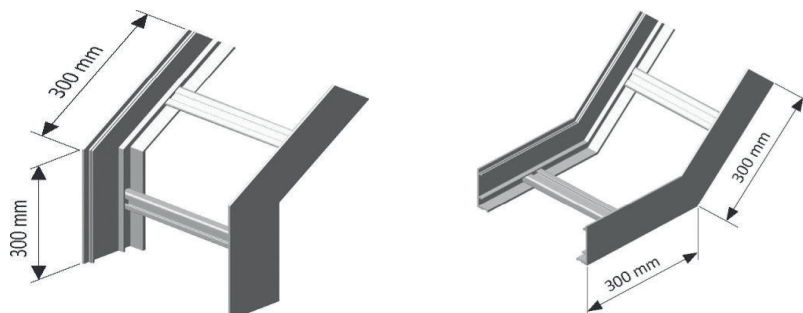


COMPOR

With an angle of 90°



With an angle of 45°



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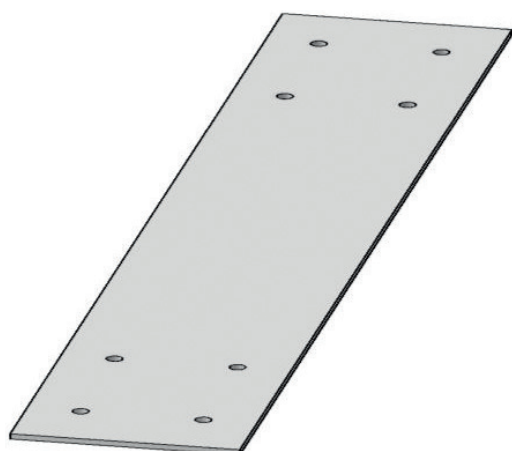
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ACCESSORIES



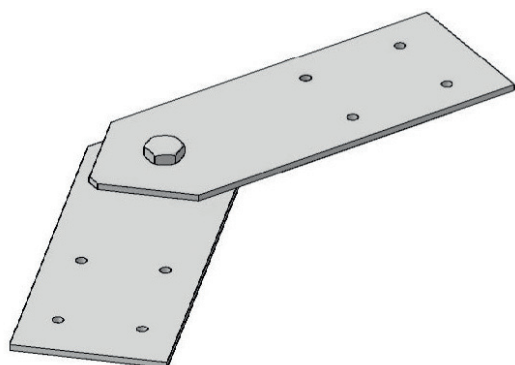
COMPOR



CLA1 S
CLA2 S

Connector

Size (mm)	KG
150x50x4	0.28
130x34x6	0.041

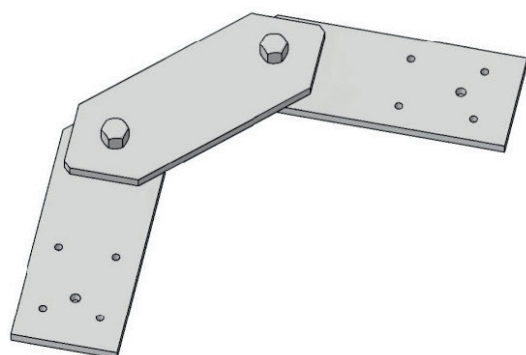


CLA1 H
CLA2 H

Hinges

Size (mm)	KG
150x50x4	0.56

Bolts - Stainless (A2/A4)



CLA1 H2

Size (mm)	KG
150x50x4	0.84

Bolts - Stainless (A2/A4)

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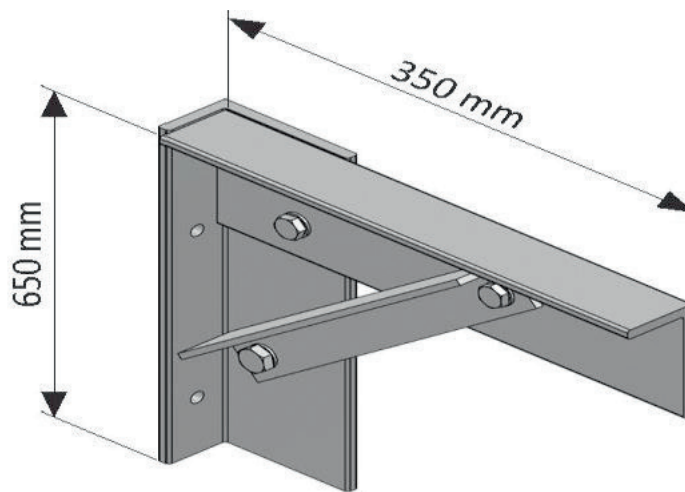
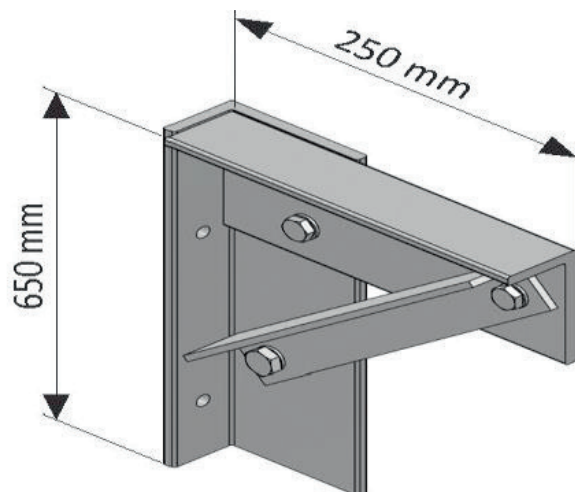
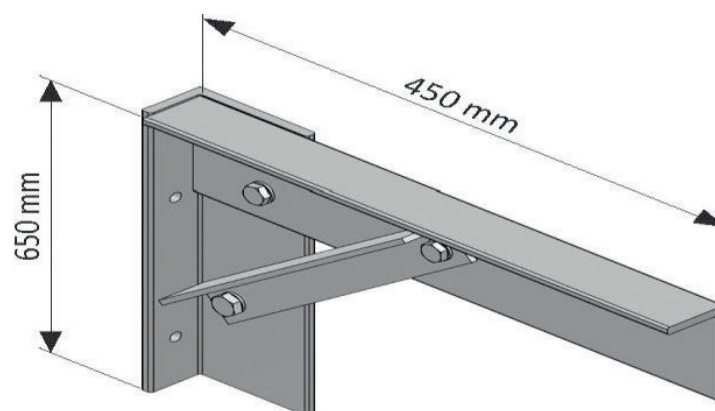
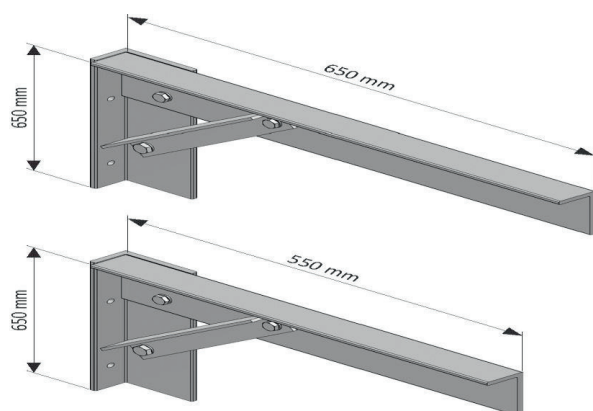


WALL BRACKETS FOR CABLE SHELVES



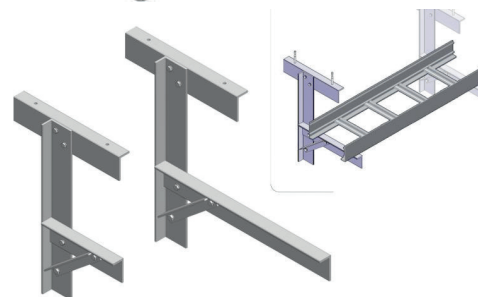
COMPOR

At customer request, we can manufacture console equipment according to their needs.



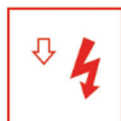
Bolts - Stainless (A2/A4)

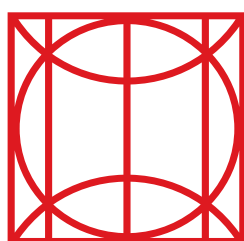
Code: FRP HOLDER



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