Mesh cable tray systems

Flexible. Screwless. Strong.
Discover the diversity of OBO mesh cable tray systems

Flexible. Screwless. Strong.
GR-Magic® mesh cable tray

GR-Magic®
Our patented jack-of-all-trades

A ground-breaking system from OBO: mesh cable tray with its patented GR-Magic® connection system
Installation time is becoming ever more important when deciding for or against using a product. OBO Bettermann offers its GR-Magic® mesh cable tray in a standard design and as a G mesh cable tray – a genuinely innovative system. Thanks to its connection system developed and patented by OBO, it can be laid and slotted into place in seconds without any tools. This product gives a whole new meaning to fast assembly and flexibility.
**Designed with practical installation in mind**

For a purely lengthways connection, neither connection components nor installation tools are required. Simply plug it together, and it’s done. This saves you having to store connector pieces, and therefore saves you money. The new GR-Magic® mesh cable tray makes installation quicker than ever before, but without compromising at all on stability and strength. Load testing shows that GR-Magic® systems are just as strong as traditional screw connections. Their electrical properties are also convincing: they easily achieve the mechanical and electrical specifications demanded in VDE regulation 0639 and in the new IEC/EN 61537 regulation. The GR-Magic® system can also be attached to brackets without any screws.
As flexible as you and your work

Any shape you want
Mesh cable trays cannot always be routed at straight angles. You may have to go around all sorts of obstacles, and take unusual directions as you install – both horizontally and vertically. OBO mesh cable trays can be cut to any length using the OBO cutting tool. Again, installation is easy and it’s been tried and tested in practice. GRS quick connectors help you join together trays that are cut to size – quickly and without any screwing. This allows you to surmount, quickly and securely, anything unexpected that arises on site.
Function maintenance with GR-Magic®

This OBO innovation offers another advantage aside from quick installation and versatility: the GR-Magic® mesh cable tray system has impressively demonstrated its stability and strength in fire tests compliant with DIN 4102 part 12. This installation design was put through its paces with a cable load of 15 kg/m and a support distance of 1.5 m. Function maintenance routing variations have become more diverse with GR-Magic®. This is a system which is well thought out and is quick and safe for daily fitting work.
Optimum space usage
Even if space is tight, this versatile mesh cable tray can be mounted almost anywhere. G-GRM can be attached directly to walls and ceilings in almost any position. It thus offers optimum space exploitation in false ceilings, server rooms and office buildings.

Material diversity
Dry rooms, wet rooms, outdoor areas, the food industry or tunnel construction – Magic G mesh cable tray has the right surface for every area. The product range runs from electrogalvanised, through hot-dip galvanised, right through to stainless steel variants. There are flexible solutions for all kinds of applications.
The C mesh cable tray system from OBO Bettermann can fulfil the highest requirements for load capacities and versatility. Its C shape allows you to bridge gaps of up to 3 metres. With a side height of 50 mm and optimised accessories such as clamping pieces, quick connectors, partitions, suspension profiles and mounting angles, the system is the ideal companion to OBO’s entire mesh cable tray range. It can be used in industry as well as all other areas of professional electrical installation.

The classic in the OBO mesh cable tray range: GR 155 with 155 mm side height. Lengthways connections traditionally have to be screwed together, and are designed for particularly heavy loads.
The Magic is in the details

How practical a mesh cable tray system is in real life depends not only on its basic properties. Its many intelligent details are what make installation a highly effective affair. Lots of snap-in components augment the basic Magic principle. All of the remaining stages of assembly are based on ease of handling.

Components such as bends, side attachments, installation plates, quick connectors and clamping pieces complete this easy-fit system. The cover is fitted by simply attaching the type DKU cover clamp onto the mesh cable tray’s cross-wire.

In just a few moves, OBO mesh cable trays can be adapted to supports with constructions above and beneath them. Thanks to the mesh cable tray’s design you can change direction any way you like, depending on the situation in which you are fitting it. Standard changes of direction of 45° and 90° can be performed using ready-made components, or with a shaped part which you make yourself for self-installation.
VDE-tested mesh cable tray system

Cover and cover clamp, universal
To protect cables against ambient influences, with snap-in cover clamp

EMC protection

Quick connector
For screwless lengthways connections without the need for special tools

Corner connector
For producing variable shaped parts

Screwless Magic connector
With equipotential bonding

Corner connector
For producing variable shaped parts

Mesh cable tray connector
For connecting trays without screws
The full range of OBO mesh cable tray systems is extremely diverse.

**GR-Magic®**

**35 mm side height**
- GRM 35
- GRM 35
- GRM 35
- GRM 35
- Wandhalter GRM 35

**55 mm side height**
- GRM 55
- GRM 55
- GRM 55
- GRM 55
- Wandhalter GRM 55
- Wandhalter GRM 55

**105 mm side height**
- GRM 105
- GRM 105
- GRM 105
- GRM 105
- Wandhalter GRM 105

**Magic G mesh cable tray**

**50/75/125/150 mm side height**
- G-GRM
- G-GRM
- G-GRM
- G-GRM

**C mesh cable tray**

**50 mm side height**
- CGR 50
- CGR 50
- CGR 50

**GR mesh cable tray**

**155 mm side height**
- GR 155
- GR 155
Variety
GR-Magic® mesh cable tray is available in side heights of 35, 55 and 105 mm and widths of 50 to 600 mm. It can be used indoors and outdoors due to the variety of its surface finishes. OBO has developed its electro-galvanising process for indoor use, making the finish it achieves even more attractive. The result is the new OBO “Titanium-look”. This gives the mesh cable tray an unmistakable, high-quality appearance similar to that of stainless steel – making it ideal for use in hollow ceilings and visible areas.

Stainless steel versions
For use in aggressive environments and in the food industry, OBO offers the GR-Magic® mesh cable tray in 1.4301 and 1.4401 stainless steel versions. These mesh cable trays are made of quality stainless steel wire, and are stained in an additional process. This protects them against harsh chemical environments. Because they are taste-neutral and resistant to cleaning, disinfectant and sterilisation agents, these mesh cable tray systems can be used in the food industry.

Universal mesh cable tray accessories

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G  Electrogalvanised  FT  Hot-dip galvanised  F  Hot galvanised  V2A V4A Stainless steel
Installation of mesh cable tray systems is simple and practical.