

Surface-mounted
Bakelite switch system
for **high-humidity**
environments



This is how it's done. Cloth-covered surface-mounted cables, surface-mounted switches in black Bakelite. Now available for spaces with high humidity.

Attaching electrical cables and switches directly to the surface of a wall is far and away the most value-for-money way of doing things, so it's no surprise that this is the installation method most

widely used by electricians. It means you don't have to open up walls or lay cable channels, and it's the easiest option if you want to inspect, repair or extend a single cable or an entire network.

Goodbye cable channel, hello cloth-covered cable. Standards-compliant, of course.

Running cables along a wall isn't just the most cost-effective way of wiring up a room – it can also have a distinct aesthetic appeal, for example when workspaces and cellars are converted into residential spaces. However, this solution has one obvious disadvantage: today's wall-mounted cables are just so ugly. Though these cables meet regulatory standards, there's no way to prettify them – attempting to hide them in plastic cable covers just makes them even more of an eyesore. However, we have come up with a solution to this dilemma.

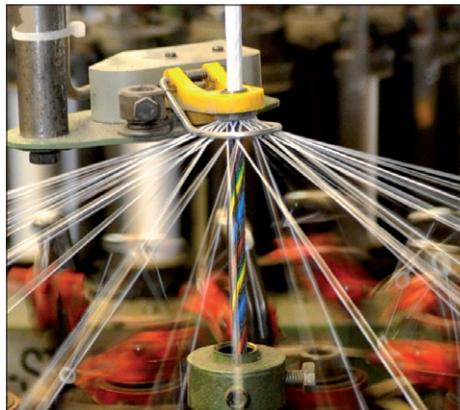
An innovation: black cloth-covered cables for wall-mounting.

Voka is a company based in the Vogtland region of southeast Germany, and it is probably the sole remaining maker of cloth-covered electrical cables in all of Germany. We hired these experts to sheath a standard-compliant, halogen free NHXMH cable (5 x 1.5 mm²) in a tube of fabric, and the resulting product adds the perfect touch to interiors, even ones with high humidity levels, as well as being flame-retardant.

THPG WALL-MOUNTED CABLES

Length 10 m

Order no. 100834



Taken at Voka's production site, these two images show textile sheaths being applied to electrical cables.

And the cable clamps...

Matching cable clamps made of black plastic are also available and come in pairs. They can be used to attach cables to walls and route wires; screws for securing the clamps are included.



THPG CABLE CLAMPS

Length 3.5 cm, width 1.5 cm, height 2.4 cm, weight 10 g. Smallest pack size: 5 items.

Order no. 100825



**For interiors:
IP20 Bakelite wall mounted system.**

You can use our new cloth-coated cables and cable clamps to mount and attach our existing IP20 series of wall-mounted switches.

A thick skin is a great advantage outdoors and in high-humidity environments. IP44 Bakelite wall-mounted humidity-proof switch. They're a little piece of electrical industry history. Between the late 19th century and the mid-20th century, these switches featured in industrial complexes and also turned up in cellars and basements of ordinary homes. They had famous

names - Siemens-Schuckert and Dr. Deisting – and their solid appearance made them electrical fittings which inspired absolute trust in their safety and stability. In Germany, people quipped that they were “thick-skinned”, but there’s no denying that the respect they earned was well-placed: even today, electrical specialists

are regularly amazed by the reliability of even the oldest installations. This is just one more reason why we’ve decided to produce our switches and outlets in the same designs as their hard-working predecessors. With Bakelite walls 2.5 mm thick, these switches’ authenticity is also underscored by their deeply satisfying acoustic qualities – no modern switch makes a click like these ones.



IP44 WALL-MOUNTED BAKELITE OUTLET

Two-part case and lid made of Bakelite with a single lateral input; two lateral screw attachments facilitate wall mounting. Outlet with integrated child protection. With spring clips. Cable mounted on wall surface. Safety rating IP44 with sealed lid, rating IP20 when plug inserted.

Each outlet comes with an additional rubber ring: if applied to an IP44 plug as an additional seal, the outlet attains safety rating IP44. 16 A, AC 250 V, IP44. Length 8.5 cm, width 9.7 cm, height above surface 7 cm. Weight 160 g.

Order no. 100828



IP44 WALL-MOUNTED BAKELITE ROTARY ALTERNATING SWITCH

Two-part case and locking bolt made of Bakelite with a single lateral input; two lateral screw attachments facilitate wall mounting. With spring clips. Cable mounted on wall surface.

Additional types of rotary switches are available, e.g. crossbar and multi-series – simply contact us for details.

10 A, 10 AX, AC 250 V, IP44. Length 8.5 cm, width 9.7 cm, height above surface 6.5 cm. Weight 190 g.

Order no. 100831



IP44 WALL-MOUNTED BAKELITE THROUGH ROTARY ALTERNATING SWITCH, VERTICAL

For vertical layouts with outlet and rotary switch. Two-part case and locking bolt made of Bakelite with a single lateral input; two lateral screw attachments facilitate wall mounting. With spring clips. Cable mounted on wall surface. Additional types of rotary switches are available, e.g. crossbar and multi-series – simply contact us for details.

10 A, 10 AX, AC 250 V, IP44. Length 11 cm, width 9.7 cm, height above surface 6.5 cm.

Weight 220 g. Order no. **100832**



IP44 WALL-MOUNTED BAKELITE THROUGH OUTLET, HORIZONTAL

For horizontal layouts with two outlets, e.g. for two or more outlets at different locations in a single room. Two-part case and lid made of Bakelite with adjacent in- and outputs. Two lateral screw attachments facilitate wall mounting. Outlet with integrated child protection. With spring clips. Cable mounted on wall surface. Safety rating IP44 with sealed lid, rating IP20 when plug inserted. Each outlet comes with an additional rubber ring: if applied to an IP44 plug as an additional seal, the outlet attains safety rating IP44.

16 A, AC 250 V, IP44. Length 8.5 cm, width 9.7 cm, height above surface 7 cm. Weight 190 g.

Order no. **100830**



IP44 WALL-MOUNTED BAKELITE THROUGH OUTLET, VERTICAL

For vertical layouts with two outlets. Two-part case and lid made of Bakelite with non-adjacent in- and outputs. Two lateral screw attachments facilitate wall mounting. Outlet with integrated child protection. With spring clips. Cable mounted on wall surface. Safety rating IP44 with sealed lid, rating IP20 when plug inserted. Each outlet comes with an additional rubber ring: if applied to an IP44 plug as an additional seal, the outlet attains safety rating IP44.

16 A, AC 250 V, IP44. Length 11 cm, width 9.7 cm, height above surface 7 cm. Weight 190 g.

Order no. **100829**



Of course, all of our products have the VDE test mark if testing applies.

Bakelite is a registered trademark of Momentive Specialty Chemicals Inc.



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