Back Box 86 × 86 × 45

86-Type Wall Box | 86 × 86 × 45 mm | Flame-Retardant PVC | For Faceplates, Sockets & Keystone Plates





1. GENERAL DESCRIPTION

Fiblit 86 × 86 × 45 back box is a standard 86-type wall box that holds faceplates, wall sockets, switches and keystone outlet plates for network, telephone, TV and electrical connections. The 45 mm depth gives enough room for cable termination and a service loop of data cables, including Cat5e, Cat6 and Cat6A, while the robust flame-retardant housing, pre-formed knock-outs and standard screw-hole spacing make installation quick and secure.

2. KEY FEATURES

- Standard 86 × 86 mm size with 60.3 mm screw-hole centres — fits all 86-type faceplates and accessories
- 45 mm depth: room for connectors, cable bend radius and service loop
- Pre-formed knock-outs on the sides and rear for conduit or cable entry, easy to open
- Impact-resistant, flame-retardant housing, UL 94 V-0, glow-wire tested
- Reinforced screw posts with [M4] threaded inserts for secure faceplate fixing
- Mounting lugs / holes for fixing to wall or plaster, with [flush / surface] installation options

3. APPLICATIONS

- Mounting 86-type network, telephone, TV and audio/video faceplates
- Housing keystone jacks and wall sockets in homes, offices, hotels, schools and hospitals
- New builds and renovations with conduit or direct cable entry

4. APPLICABLE STANDARDS

- IEC 60670-1 — Boxes and enclosures for electrical accessories for household and similar fixed installations
- IEC 60670-22 — Particular requirements for connecting boxes and enclosures [confirm]
- IEC 60695-2-11 — Glow-wire test [650 °C / 850 °C]
- UL 94 V-0 — Flammability of plastic housing material
- GB/T 17466 — 86-type box dimensions [confirm]
- RoHS — [Compliant — Directive 2011/65/EU]

5. CONSTRUCTION & MATERIALS

Material	Flame-retardant [PVC / PP], UL 94 V-0
Colour	[White / Grey]
Type	Square wall box, [flush / surface] mount (select)
Knock-outs	[Ø 20 mm / Ø 25 mm] conduit entries on sides and rear
Screw Posts	2 × reinforced, centre spacing 60.3 mm, [M4 thread]
Mounting Lugs	[2 × mounting holes for wall fixing]

6. MECHANICAL & ENVIRONMENTAL

Dimensions (W × H × D)	86 × 86 × 45 mm
Screw-Hole Centre Distance	60.3 mm
Operating Temperature	[-25 °C to +60 °C]
Storage Temperature	[-40 °C to +70 °C]
Ingress Protection	[IP20]

7. ACCESSORY COMPATIBILITY

Accessory	Size	Notes
86-type keystone faceplate (1 / 2 / 4 port)	86 × 86 mm	Fixes to screw posts, 60.3 mm centres
86-type wall socket / switch module	86 × 86 mm	Standard fixing
Blank cover plate	86 × 86 mm	Covers unused boxes
Cat5e / Cat6 / Cat6A keystone jacks	Keystone	Installed in the faceplate

8. INSTALLATION & HANDLING GUIDELINES

- Open the knock-outs needed for the cable or conduit before fixing the box; remove burrs to protect the cable jacket.
- Fix the box to the wall with the mounting holes / lugs, level and square; for flush installation, set the front edge flush with the finished wall surface.
- Leave a service loop inside the box and respect the cable minimum bending radius (4× OD for UTP, 8× OD for shielded cable).
- Keep data cables separated from power cables according to local wiring standards (EN 50174-2 / TIA-569).
- Fix the faceplate to the screw posts with the supplied screws; do not over-tighten.