GETTING CABLES INTO A CONSUMER UNIT SAFELY

WHERE MUST THE CABLE SHEATH END?

- **Knockouts:** pre-made holes in the enclosure that you knock out with a screwdriver. On our board they're **20 mm**, sized to suit a **compression gland** with a 20 mm thread.
- You **can drill your own holes**, in the top, sides or back, but always keep the **IP integrity** of the board (section 4).
- **Metal boards have sharp edges.** A compression gland smooths the hole. A bare drilled hole needs a **grommet** or **grommet strip** so conductors can't be damaged.
- Make sure your grommet strip suits the **thickness of the metal**. Use the right product for the equipment.
- Bring cables in with the **outer sheath entering the enclosure**. There's no set length, but the sheath **must** go inside. Conduit or trunking (plastic or metal) can also be connected straight to the board.
- Follow **Chapter 52**: cores without a sheath must be **enclosed** right up to where they enter the containment or enclosure.
- **Fix it securely.** Our board has **four fixing points**. Use all four. This is a regulation too.

BS 7671 · Chapter 52 · selection and erection of wiring systems

Reg 526.9 (sheath removed: cores enclosed) and Reg 521.10.1 (non-sheathed cables in containment) · check your copy

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