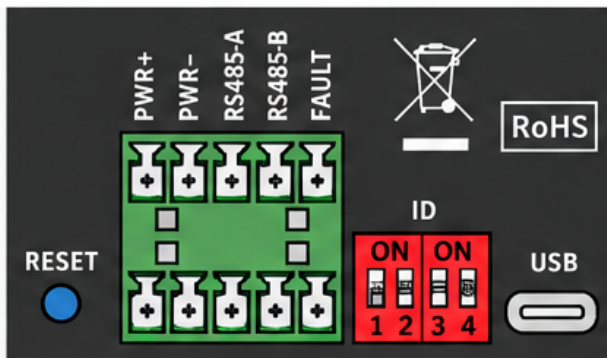
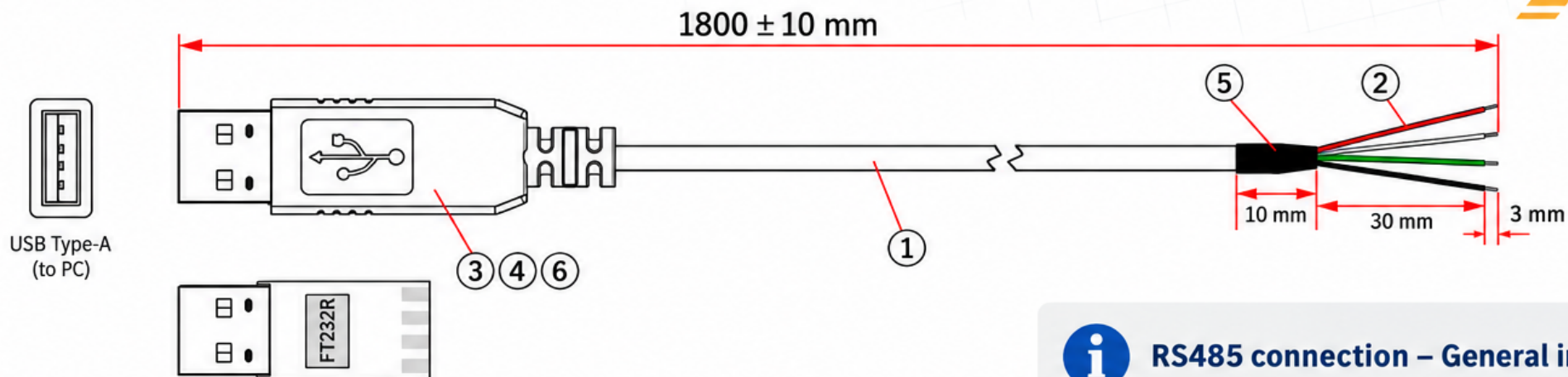


VOICE ALARM & PUBLIC ADDRESS



Wire end color assignment

White	- Data+	A
Green	- Data-	B
Black	- GND	
Red	- VCC (5 V)	

- ① **Cable** – 4-core shielded cable, length 1800 ± 10 mm
- ② **Wire ends** – 4 colors: white (Data+), green (Data-), black (GND), red (VCC 5 V)
Stripped length: 30 mm, exposed: 3 mm
- ③ **USB plug** – USB Type-A
- ④ **USB interface** – FT232R (USB to RS485 converter)
- ⑤ **Heat shrink** – Length: 10 mm
- ⑥ **Housing** – USB plug housing with moulded strain relief



RS485 connection – General information

- The RS485 interface is a balanced, differential communication bus used to connect RDR rackframes to a PC or to each other.
- Use a twisted pair cable for Data+ (A) and Data- (B).
- Keep the cable as short as possible and avoid routing parallel to power cables.
- Connect the cable shield to GND at one end only (preferably at the PC side) to avoid ground loops.
- No external power supply is required. The RDR provides a 5 V output (VCC) on the connector for the USB interface.
- The maximum bus length and number of devices are in accordance with RS485 specifications and the RPU Inspector documentation.