

Connection cables wind turbine → power inverter

Usually, the my!WIND 10 kW will be delivered including a mast with cabling inside.

A terminal block is located inside the mast socket; connection cables from wind turbine to power inverter will be connected there.

Mostly, the power inverter is installed close to or inside the house. If mounted next to the wind turbine, then most power inverters will need a weather proof enclosure box.

The connection cable's cross section depends on the distance between wind turbine and power inverter. Next to the actual power lines, cables for signal transmission are required. The wind turbine will not operate without those.

Distance up to 80 metres (260 ft)

Power lines	4 x 6 mm ²
Control line emergency brake (relay)	2 x 1.5 mm ²
Signal line temperature	2 x maximum 1.5 mm ² , shielded (grounding)

Distance up to 140 metres (460 ft)

Power lines	4 x 10 mm ²
Control line emergency brake (relay)	2 x 1.5 mm ²
Signal line temperature	2 x maximum 1.5 mm ² , shielded (grounding)

Signal lines ought to be kept 10 to 20 cm (4 – 8 inches) away from power conducting cables!

! Without a control line the turbine will not operate (emergency brake remains activated); a relay inside !
■ the turbine nacelle has to be opened. ■

The electric installation of a my!WIND wind turbine generator has to be carried out by a professional electrician.