



**In the field of electrical distribution,
the choice between busbars and
traditional cables is crucial to
guarantee safety, efficiency and
reliability...**

Lets see the main differences!



INSTALLATION



BUSBAR

Simple and quick, less bulky and easy to scale up in case of expansion.



CABLE

Requires additional conduits and supports, resulting in longer and more complex installations.



ENERGY EFFICIENCY



BUSBAR

Lower electrical resistance, therefore: reduction of energy losses and greater overall efficiency



CABLE

Higher energy dispersions (Joule Effect)



MAINTENANCE



BUSBAR

Modular systems,
which facilitates
inspections and
interventions without
having to act on the
entire system.



CABLE

More subject to wear
and tear, with complex
maintenance and
higher costs in the long
term.



FIRE SAFETY



BUSBAR

Designed so that a hot spot is never created, reducing the risk of overheating. The high thermal dissipation also helps in this way.

They reduce the risk of short circuits thanks to adequate insulation and protection.



CABLE

Bundling cables can cause heat buildup, increasing the risk of fire.



COST



BUSBAR

Lower costs in the long term on maintenance (which is less frequent thanks to their robustness and quality of materials) and expansion.

Greater durability over time.



CABLE

Lower initial cost, but higher operating expenses in the long term.



HIGH CURRENTS



BUSBAR

Reliably and efficiently handles large amounts of current (thousands of amps)



CABLE

To carry high currents, large section cables or multiple cables in parallel are needed, with larger dimensions and greater installation complexity.



OPEN SPACES



BUSBAR

Closed and protected structure, with high degree of protection (up to IP68).

Greater resistance to rain, dust, humidity and UV rays.



CABLE

They require additional protective elements to resist sun, rain and humidity with greater risk of deterioration of the insulation over time.



**To learn more about these
and other charecteristics of
busbar trunking, we refer you
to our website!**

www.graziadio.co.uk

