



ROLINX[®] Performance

Product Information

ROLINX[®] Performance is the product of years of experience in manufacturing laminated busbars. Today's electric traction modules and propulsion systems for rail and ship transportation, renewable energy applications (inverters for wind and solar energy), and variable speed drives for industrial applications require electrical performance levels for the power distribution system that can only be met by using a laminated busbar.

ROLINX Performance is a critical component, custom designed and engineered to achieve the most efficient power distribution requirements in high power applications. For each design it's essential to find the right balance between low inductivity and a good partial discharge level.

ROLINX Performance busbars deal with a working voltage of several thousands of volts combined with currents of over 1000 amps. These challenges require a good understanding of the electrical, thermal and mechanical performance properties to offer the most optimized and economical design.

Rogers' engineers will co-operate with you to design and engineer the most efficient power distribution systems for your high power applications. ROLINX Performance is designed to last, will optimize inductance and control partial discharge while allowing a compact design and reduced installation times.

Advantages

- // Provides optimized inductance
- // Designed for controlling partial discharge
- // Shaped to fit high voltage applications
- // Proven technology
- // Support in design and engineering by an experienced team



Typical Market Segments

- // Propulsion systems (mass transit, ship propulsion, mining vehicles, etc.)
- // Industrial converters
- // Clean energy
- // HEV / EV
- // HVDC / Smart Grid
- // Defense and aerospace
- // Medical
- // Process and automation
- // Communication infrastructure



Typical Technical Characteristics

Voltage	12 kV DC
Power	up to several MW
Temperature range	- 50°C / + 105°C
Relative humidity	55°C / 95% RH
Conductor material	Copper, Aluminium
Insulation material	Polyester dielectric film, rigid insulation board
Production test	Partial discharge, high voltage, dimensional

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