



RO-LINX® PERFORMANCE

Power Distribution Systems

RO-LINX® 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.

RO-LINX 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.

RO-LINX 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.

In most cases, the conductor material for the RO-LINX busbars is copper or aluminium, available in different thicknesses. Depending on the application and requirements there is a choice between different plating solutions such as tin, nickel or others. RO-LINX busbars can be equipped with a wide variety of different interconnection techniques allowing connection to a component, cable or another busbar.

Rogers' engineers will co-operate with you to design and engineer the most efficient power distribution systems for your high power applications. RO-LINX 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
- ▶ (Hybrid) electric vehicles
- ▶ Electricity production
- ▶ Defense and aerospace
- ▶ Medical
- ▶ Process and automation
- ▶ Communication infrastructure

TECHNICAL CHARACTERISTICS

RO-LINX Performance	
Voltage (AC/DC) [kV]	20,0
Power	up to several MWs
Temperature range	-40°C / + 105°C
Relative humidity	55°C / 95RH
Conductor material	Copper, Aluminium, etc.
Insulation material	Polyester dielectric film, polyester, etc.
Production test	Partial discharge, high voltage, dimensional, etc.



www.rogerscorp.com/pds

Rogers BVBA, Power Distribution Systems Division, Gent, Belgium, Tel. +32 9 235 36 11, Fax +32 9 235 36 58

The information contained in this brochure is intended to assist you in designing with Rogers' RO-LINX Busbars. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in the brochure will be achieved by a user for a particular purpose. The user is responsible for determining the suitability of Rogers' RO-LINX Busbars for each application. The Rogers logo, The world runs better with Rogers. and RO-LINX are licensed trademarks of Rogers Corporation. © 2011 Rogers Corporation. All rights reserved. Publication # 57-003