

ROCS

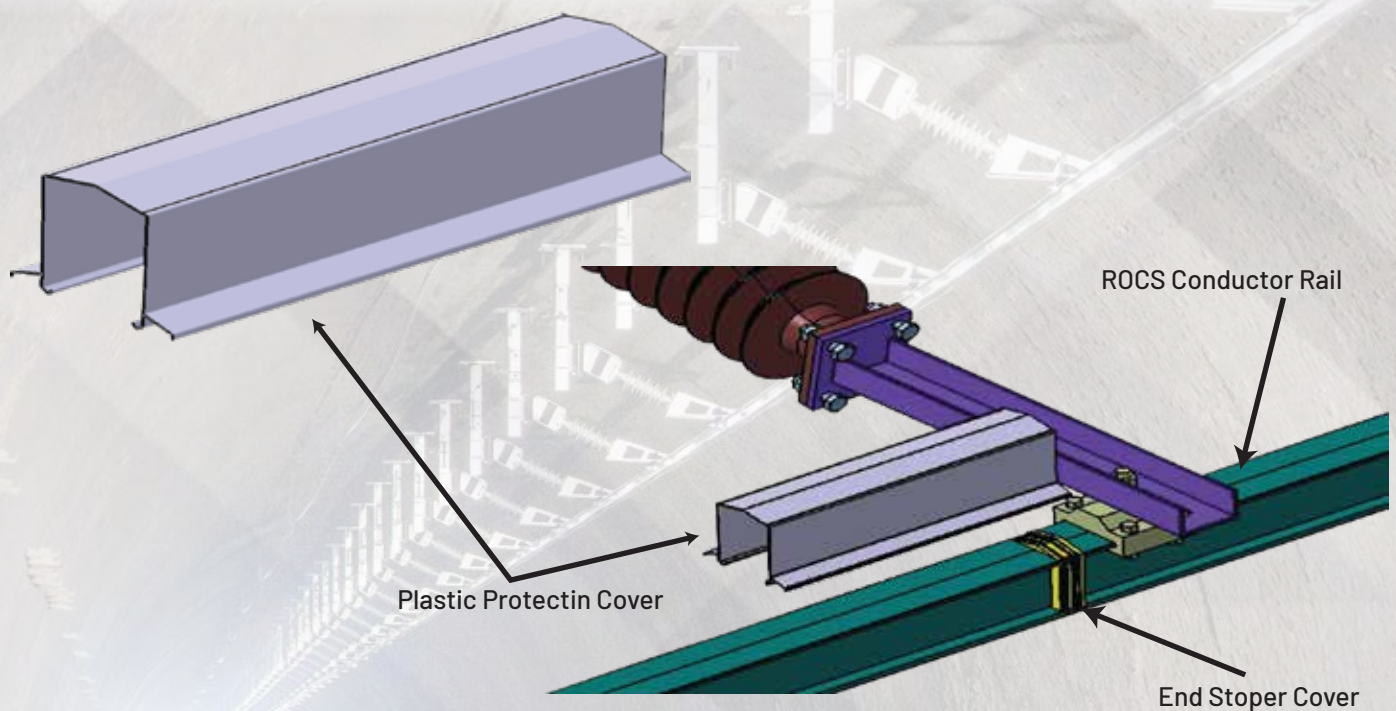
PROTECTION COVER

ENGINEERED FOR SAFER, SMARTER ELECTRIFICATION

Surlon Engineering Solutions, a Surlon Group company, provides specialised solutions for railway electrification, with a focus on Rigid Overhead Conductor Systems (ROCS). Designed for the evolving needs of modern metro and rail networks, ROCS offers a durable, low-maintenance alternative to traditional catenary systems.

Our systems are widely used in metro corridors, tunnels, depots, high-speed rail, and other low-clearance environments where space efficiency, reliability, and safety are essential.

A key challenge in tunnel and depot installations is water ingress which can lead to corrosion in the conductor rail and bi-metallic corrosion between the conductor rail and contact wire. Surlon's ROCS solutions are specifically engineered to mitigate these issues, enhancing operational safety and extending system life.



Comprehensive Engineering Solutions for Metro, Rail & Urban Transit System

ROCS CONDUCTOR RAIL PROTECTION SOLUTIONS

PROTECTION COVERS

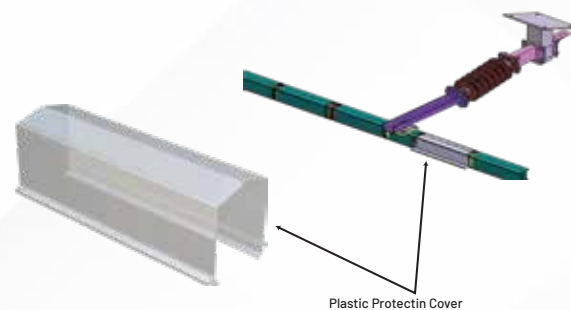
Shield the conductor rail from water ingress and accidental contact, significantly increasing the system's lifespan. Available with 25 mm extra fin length compared to the earlier 10 mm

PROTECTION COVER CONNECTORS

Ensure continuous insulation along the length of the rail, maintaining electrical integrity.

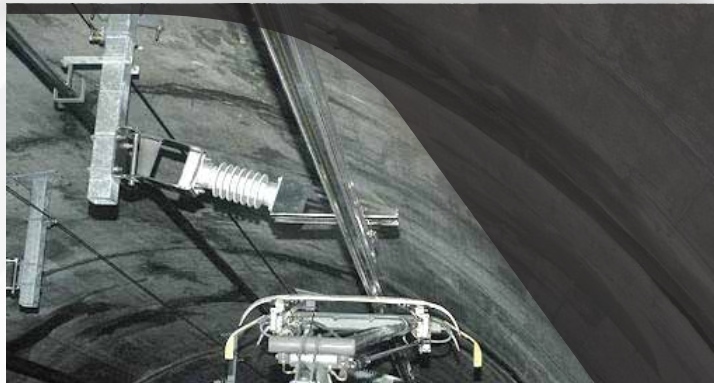
END STOPPER COVERS

Prevent current leakage and mechanical stress at rail terminations.



KEY FEATURES

- Highly reliable and efficient for uninterrupted power supply
- Low-maintenance design, reducing system downtime and lifecycle cost
- Constructed with high-strength, corrosion-resistant materials for long-term durability
- Fire-retardant (FRLS-OH grade) ensure operational safety
- Transparent materials allow for easy visual inspection and maintenance
- Hydrophobic surface properties prevent moisture build-up and water damage
- Fully compatible with 25kV AC ROCS traction systems



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LINKEDIN



SURLON GROUP



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