

Troughing for fibre-optic cables made easy



The lightweight and versatile ARCOSYSTEM® is the rail industry's benchmark elevated cable management system, renowned for safely housing power, signal and high-voltage cables. Now, the newly developed SizeZERO® troughing — again manufactured from pultruded fibre-reinforced polymers (FRP) — is designed to fit and protect fibre-optic data cables within a secure, shallower cell of 53mm x 56mm (2952mm²).

With surging demand for a comprehensive upgrade of Wi-Fi coverage on rail networks across Europe, our innovative SizeZERO® cable troughing is leading the way in boosting trackside digital communications.

Due to difficult terrain or limited space along railway tracks, it is not always technically possible to install conventional routing systems for protecting fibre-optic cables. The flexible yet robust ARCOSYSTEM SizeZERO®, however, can be fastened to the ground, wall-mounted or attached to bridges, and can also be installed safely on a slope or in areas affected by snow drifts.



As with all sizes in the ARCOSYSTEM® range, SizeZERO® benefits include:

- Durability in all weathers — with a constant working temperature range from -40°C to +80°C
- Can be post-mounted, wall-hung or fixed to lineside structures
- Spans 3m between supports, or can be ground mounted
- Bespoke range of galvanised steel bracketry enables height and direction changes to be accommodated with ease
- The strong, robust design of the troughing enables the system to resist lateral forces from embankment subsidence, high snow loads and wind effects from high-speed trains
- Excels in remote locations subject to intense heat or extreme freeze-thaw cycles
- Resistant to heat, water, corrosion, UV rays and a wide range of chemicals
- Electrically insulating, whilst providing an interference-free containment environment for Wi-Fi and data cabling
- Meets a number of fire standards and proven performance in simulated trackside fires



Find out more about ARCOSYSTEM SizeZERO® and discuss your fibre-optic cable troughing requirements with our experienced technical experts:

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