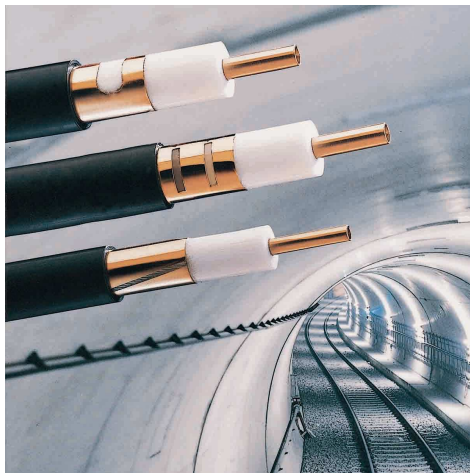




# News from RFS

November 15<sup>th</sup>, 2011

## RFS leading in-tunnel wireless coverage solution with Guangshengang Express Rail Link



Shanghai(China), November XX, 2011 — Radio Frequency Systems (RFS), the global wireless and broadcast infrastructure specialist, today announced that it has successfully deployed an industry-leading wireless in-tunnel coverage system for the tunnels on the Guangshen section of Guangzhou-Shenzhen-Hong Kong Express Rail Link(Guangshengang XRL). RFS provided its technical leading RADIAFLEX® radiating cable product and accessories together with a range of services including system design, installation supervision and commissioning, enabling superior mission-critical and commercial communications in all tunnels.

As a significant strategic national express rail project that connects Hong Kong to the national express rail network in the Mainland, Guangshengang XRL has a total distance of 142 kilometers, and features 26 newly built tunnels with a total length of 32.77 kilometers along the link. Shiziyang Tunnel, with a length of 10.8 kilometers, is the most noteworthy tunnel as a part of the high-speed line for its sheer size and magnificence. It is the longest underwater shield tunnel in China and is designed for speeds of up to 350 km/h - the fastest underwater tunnel in the world, standing for a new milestone in China's railway construction history.

RFS, with its sophisticated wireless infrastructure solutions and products as well as unparalleled system design expertise and installation experience, successfully delivered a highly-reliable wireless distribution system allowing continuous highly-reliable wireless access in the long tunnel.

RADIAFLEX® radiating cables, as the main part of RFS in-tunnel wireless coverage solution, are ideal for addressing confined coverage challenges. Across the tunnels on the Guangshen Section, to meet different applications of mission-critical and commercial communications, RFS deployed the RAYU series and RLKU series of RADIAFLEX® radiating cables. The RAYU series is specially optimized for vertical polarization in design and provides particularly low coupling loss, making it the best suited cable for GSM-R services; the RLKU series supporting from 30MHz to 2500MHz, is widely used for commercial wireless applications. With its wideband feature, RLKU series of radiating cables therefore allow multi-operator and multi-band applications. The commercial communications coverage solution provided in the tunnels is jointly owned by China Mobile, China Telecom and China Unicom, supporting the three operators' multiple applications.

In addition, all RADIAFLEX® radiating cables provided are flame- and fire-retardant, and the clamps installed are flame-retardant, which ensures highly-reliable communication between train and railway control centers even in the event of fire.



“We are greatly honoured to be involved in this milestone express rail project with RFS’ sophisticated in-tunnel coverage solutions for both commercial and mission-critical services along the line.” said Robert Hsu, Vice President of Sales & Marketing at RFS’s Asia. “For more than 40 years, we have provided a wide variety of wireless coverage solutions for the world’s metros, railways and road tunnels, mines, ships and airports. With our well-developed products, solutions and services, we are striving to be the strategic telecommunication partner of transportation operators to meet their every business objective. “

**Trademarks:** Radio Frequency Systems®, RFS® and RADIAFLEX® are registered trademarks of Radio Frequency Systems.

#### **About RFS**

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

For more information: [www.rfsworld.com](http://www.rfsworld.com).  
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