



Kabelwerk

EUPEN AG
cable



SBB - The Swiss State Railway



Eupen is declared sole supplier of Radiating Cables

Customer **SBB - Schweizer Bundes Bahnen**
Swiss State Railway

Situation

Switzerland has Mountains and impressive Railway Journeys, two attributes that are not easily combined.

The harsh surrounding makes Track-laying very challenging, often only made possible by building long Tunnels and Viaducts, to overcome the obstacle.

Challenges

In order to maintain its legendary punctuality, the SBB has to ensure that all parts of their Network are functioning at peak performance at all times.

As the Tunnel Radio Systems have to fulfil a dual purpose, providing RF coverage for TERTRAPOL for Emergency Services and for GSM-R for the operation of the Railway, it is imperative that they function at all times, even in a hostile environment like this.

Due to the tight time-table constraints, scheduled Maintenance is restricted to a few working hours, usually in the middle of the night, making effortless installation imperative. This is particular true for the installation of the required Radiating Cable and the associated connectors.



Solution

After an extensive pre-qualification and selection process, involving Radiating Cables from all known Manufacturers, Eupen Radiating Cables "B"-Version was chosen on technical merit for their outstanding performances on the frequencies that are used for the Digital Radio Systems, Fast and Easy Fixing, through the so called "NEOPORT" Fixing and their excellent Fire Safety features.

Eupen Cable is worldwide the only manufacturer to offer Radiating Cables that are optimised for the TETRA, TETRA POL and GSM-R frequencies, providing world leading performances to complement today's high performance Tunnel Re-broadcasting systems.

Quote from our customer

"Die Datenblattwerte der beiden Kabel Eupen RMC 114-B und Eupen RMC 158-B stimmen in allen gemessenen Frequenzen recht genau mit den im Tunnel gemessenen Werten überein". Diejenigen vorherigen Kabellieferanten sind durchwegs 10-20dB schlechter als die Datenblattwerte.

(Translation)

"The data sheet values of the two Eupen RMC 114-B and 158-B Eupen RMC Cables agree in all measured frequencies quite accurately with the tunnel measured values agree. "Those of the previous cable suppliers are throughout 10-20dB worse than their data sheet values.

Contact

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