



# RADOX®RAILCAT CAT5 DATABUS CABLE FOR RAIL AND MASS TRANSIT



# RADOX® RailCat – the high

The newest innovation from HUBER+SUHNER for the railway market is the CAT5/CAT5e databus cable RADOX® RailCat. Specifically developed for the railway market it meets the fire performance standards according to DIN 5510-2, BS 6853 and meets the requirements for databus cables according to EN 50288-2-2.



Technical properties	
Conductor	4 x 22 AWG, flexible class 5
Conductor insulation	RADOX®Com, colour: white, orange, blue, yellow
EMC screen	Tin plated copper braid
Sheath	RADOX®GKW S, colour: black
Cable diameter maximum	7.55 mm
Impedance at f = 100 MHz	100 Ohm
Nominal voltage rating	300 V

Media properties	
Resistance against mineral oil	according to EN 50306-3 par. 4.8
Resistance against fuel	according to EN 50306-3 par. 4.9
Resistance against acid and alkali	according to EN 50306-3 par. 4.10

# speed solution

## Properties

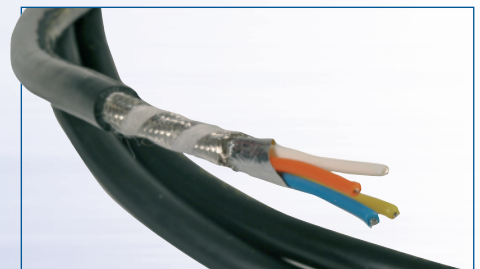
- High speed data transmission, CAT5/CAT5E
- Designed and tested for railway use
- Excellent mechanical performance
- Proven RADOX® insulation system
- Wide operating temperature -40° C to +90° C
- Halogen free, low smoke, low toxicity



## Applications

### Ethernet based networks:

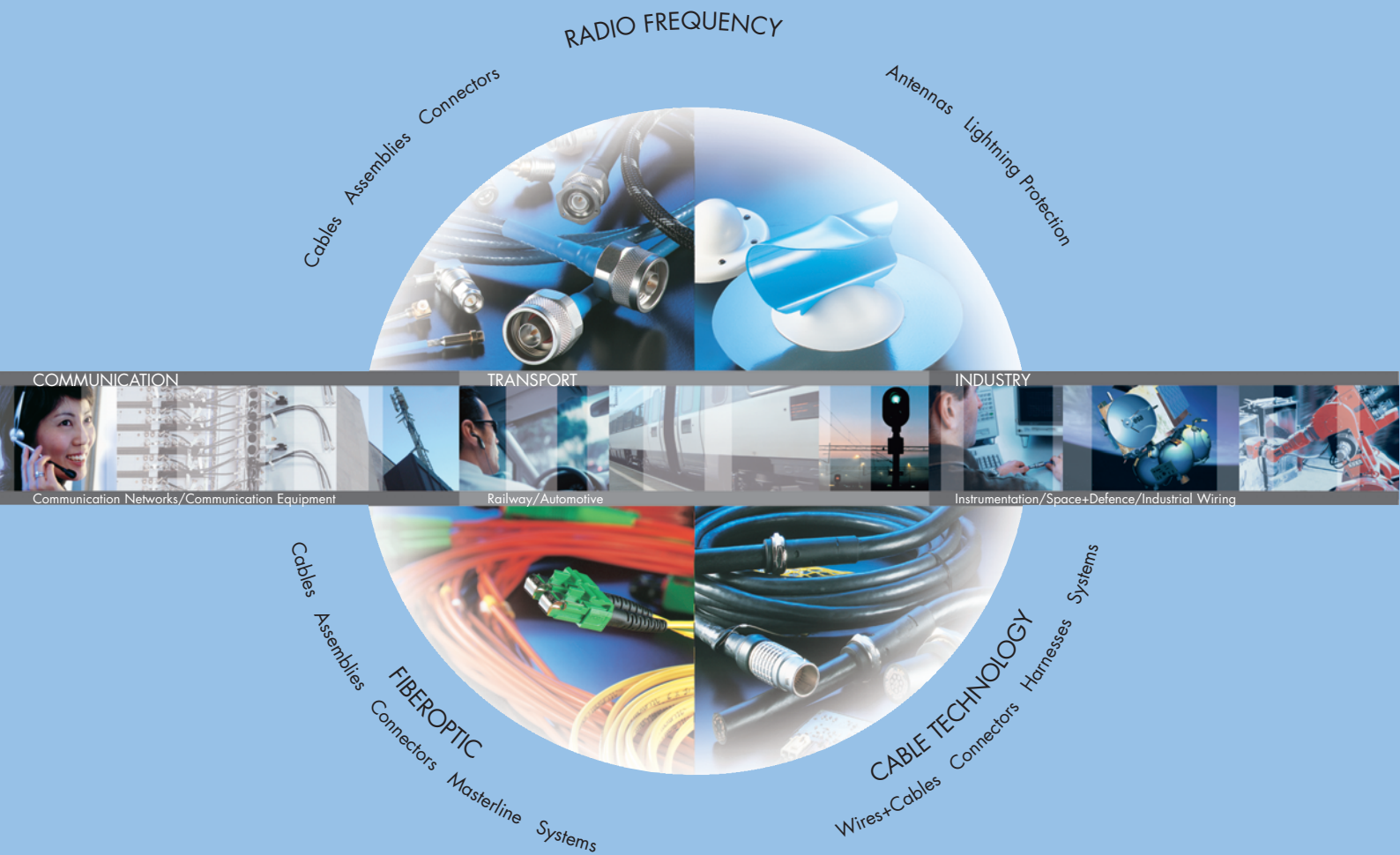
- Infotainment, Multimedia
- PIS – Passenger Information System
- Cellular distribution
- WiFi distribution, Internet connectivity
- CCTV for video surveillance
- Ready for future applications



# HUBER+SUHNER – Excellence in Connectivity Solutions

HUBER+SUHNER is a leading global supplier of components and systems for electrical and optical connectivity in communications, industrial and transportation markets. HUBER+SUHNER can draw on core competences in the areas of high frequency

technology, fibre optics, cables and polymers. Working in close collaboration with our customers around the globe, we strive for excellence in the development and manufacturing of high quality products.



**HUBER+SUHNER is certified according to ISO 9001 and ISO 14001.**

**WAIVER**

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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