

# SENCITY® SPOT-M

## Yagi antenna for CBTC tunnel applications



### Application

HUBER+SUHNER offers reliable connectivity solutions for communication-based train control (CBTC) systems. In addition to products for the trainborne and backbone network, HUBER+SUHNER supplies all passive components to build up a train-to-track network.

The robust, directional Wi-Fi antenna meets the fire protection requirements for CBTC applications as per prEN 45545-2. It has been specially designed to meet the strict requirements of the railway industry and for installation in tunnels.


# SENCITY® SPOT-M Yagi antenna

## Key features

- Linear-polarised, directional Yagi antenna with 14 dBi gain
- Extremely robust and compact design
- The enclosed bracket allows installation on walls and masts

## Standards

- Supports WiFi as per IEEE 802.11 b/g
- Meets railway-specific environmental requirements as per EN 50125-3
- Meets railway-specific fire protection requirements as per prEN 45545-2

	Antenna family	Type designation	Dimensions (mm)	Frequency range (MHz)	Gain (dBi)	Polarisation
	SPOT-M	1324.17.0105	80 x 80 x 390 (excluding bracket)	2400 - 2485	14	vertical

## Recommended cables

Type	Cable	N-interface plug (male)	N-interface jack (female)	Attenuation @ 6 GHz (dB/m)	Outer diameter (mm)	Min. bending radius (static) (mm)
Feeder cable	SPUMA_400	11_N-50-7-69	21_N-50-7-32	0.35	10.25	25
Jumper cable	S_04162_B	11_N-50-4-11	21_N-50-4-6	0.77	5.5	25
Feeder cable *Tunnel applications	SPUMA_400-FR	11_N-50-7-69	21_N-50-7-32	0.35	10.25	25
	S_10162_B-11	11_N-50-10-5	21_N-50-10-1	0.28	12.9	100
Jumper cable *Tunnel applications	SX_04172_B-60	11_N-50-4-11	21_N-50-4-6	0.92	5.5	25
	ENVIROFLEX_400	11_N-50-3-59	21_N-50-3-20	1.65	5.0	10

\* Cables for tunnel applications with enhanced fire performance acc. to prEN 45545-2 or DIN 5510-2.

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