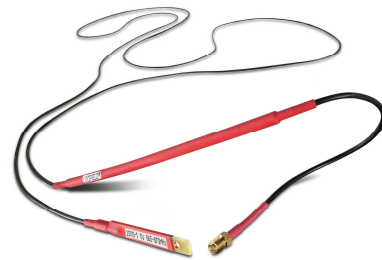


New thinking – design your RFID reading field



## Ha-VIS LOCFIELD® Traveling wave RFID antenna

Identification	Part number	Idea
Ha-VIS LOCFIELD®		
2 m (active length), total length 2,5 m, diameter 3 mm, SMA (m), EU	2093 610 110010	<p>The Ha-VIS LOCFIELD® changes everything. Instead of installing patch antennas, the coax antenna cable itself becomes the antenna. The read range can be varied from a few centimeters to about 2 m just by changing the power of the RFID reader. The LOCFIELD® antenna can easily be installed in any shape which serves the project in the best possible way.</p> <p>Applications:</p> <ul style="list-style-type: none"> <li>- Tool identification in machines</li> <li>- Door and window pass-throughs</li> <li>- Wireless sensor networks</li> <li>- Smart shelf</li> </ul>
2 m (active length), total length 3 m, low loss coax, diameter 5 mm, SMA (m), EU	2093 610 210010	
1 m (active length), total length 1,5 m, diameter 3 mm, SMA (m), EU	2093 610 110020	
0,3 m (active length), total length 0.6 m, diameter 3 mm, SMA (m), EU	2093 610 110030	
2 m (active length), total length 3 m, low loss coax, diameter 5 mm, SMA (m), FCC	2093 610 220010	
1 m (active length), total length 1,5 m, diameter 3 mm, SMA (m), FCC	2093 610 120020	
0,3 m (active length), total length 0.6 m, diameter 3 mm, SMA (m), FCC	2093 610 120030	

## Technical characteristics

### General characteristics

Read range	from a few cm up to 2 m (strongly depending on reader, configured power and tags)
Optimized for	Identification of tools in machines Door openings and pass throughs Wireless sensor networks Smart shelf / smart work bench

### Electric properties

Frequency range	EU: 865 ... 868 MHz; FCC: 902 ... 928 MHz
Impedance	50 Ohm
VSWR	< 1.8:1
Polarisation	Linear (tags are read in any orientation)
Gain	approx. -7 dBi
Opening angle / read angle	360°
Max. power	2 W (applied to antenna)
Connection	SMA male TNC-rev (on request)

### Mechanical properties

Length	see first page
Degree of protection	IP 65
Installation	Can be mounted directly on any non-conducting surface. On conducting surfaces a distance of at least 2 cm is recommended
Operating temperature range	-20 °C ... +65 °C
Storage temperature range	-40 °C ... +85 °C

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