



Sentry Cable



A quantum leap in the performance of our widely used tag for tracking cable assemblies.

▶ Sentry Cable Overview

Improvements in RF chip design and Vizinex's expertise at matching the new chips to highly efficient antennae, is improving the performance and reducing and cost of RFID. The Sentry Cable is the third generation of Vizinex's highly successful tag for tracking cable assemblies. The new generation is exactly the same package as its predecessor but packs 25% more read range with no increase in cost.

The tag has a low profile, just 2.8mm tall and a relatively small footprint of 36mm x 11mm. Despite this small package, it provides a read range of 18-20' when mounted on insulated metal. Like its predecessor, the cable tag fits perfectly in Vizinex's line of tag holders, deployed by many companies that use large, expensive cable assemblies. The additional read range of the new generation product will provide more reliable reads and more complete reads even when cables are piled together for transport.

▶ Features & Benefits

- Read distances of 18-20' feet when mounted on insulated metal
- Modest footprint of less than 0.60 in²
- Rugged: tolerant of repeated exposure to high temperatures, vibration and impact

Part Number

US: AST1-163-0300

EU: AST1-163-0310

Industries

- ▶ Rental equipment
- ▶ Video/movie production
- ▶ Power generation and backup
- ▶ Events production
- ▶ Government/Military
- ▶ Data centers

Applications

- ▶ Cable tracking for metal conductor cables
- ▶ IT devices

Why Vizinex?

- ▶ Trusted technology
- ▶ Innovative design
- ▶ High performance
- ▶ Unmatched customer service

› The Sentry Platform

Vizinex RFID's Sentry line of high-performance, cost-effective, and application-specific RFID tags are based on a printed circuit board platform. This well-established manufacturing process offers unsurpassed reliability and consistency in read range performance. At the core of the tag is a fiber-reinforced composite material that gives the Sentry tag its innate ruggedness. The innovative, patented tag design enables fast prototyping and affordable customization - essential to the expanding requirements of the RFID industry.



› Sentry Cable Specifications

Physical	
Dimensions	36.3mm X 10.9mm X 2.8mm 1.43" x 0.43" x 0.11"
Use Case	Mount on insulated metal
Attachment	High-performance, acrylic adhesive, site applied epoxy, Vizinex cable tag holder
Weight	1.6 Grams
Electrical/RF	
Typical Read Range	5.4-6.1 Meters 18-20 Feet
Frequency	902-928 MHz or 856-868 MHz
IC Platform	Impinj m750
IC Memory	EPC of 96 bits with 32 bits of user memory
Environmental	
Classification	IP68
Operating Temperature	-50° C to 85° C (-58° F to 185° F)
Temperature Tolerance	-50° C to 185° C (-58° F to 365° F)

Can't find a standard RFID tag that meets your needs?

Vizinex custom RFID tags will fit your dimensional, material, environmental and/or functional requirements EXACTLY – because we design them that way. And we do it with your costs, product design and end customers in mind.

How are we able to design exactly the tag you need? It's not complicated. We do it by talking to you.

Email sales@vizinexrfid.com or call 215-529-9440 to talk about your needs and requirements.



Vizinex's Cable tag can be easily and securely mounted on cable assemblies using one of Vizinex's cable tag holders, which include a rope holder.