



CS8200 RFID Metalized Thread Tag

Ideal for sewing on cloth, leather and synthetic materials



CS8200 tag is specifically designed for tracking applications involving clothing, leather and synthetic materials. The tag is sewn on to the material using metalized thread that acts as the antenna. The CS8200 has an impressive **2.7 meters read range** when using a total length of 140mm of metalized thread. Sewing guidelines are provided. The tag is available in blue or white color. Custom colors available based on order quantities. Works with CSL's full family of readers: CS101, CS203, CS208, CS468 and CS469.

U.S. Patent : US8,308,073B2

Applications

Specially adapted for clothing, shoes, uniform, leather and synthetic materials for tracking and authentication.

Dimensions

Tag: 34 x 17 x 1.5 mm (1.34 x 0.67 x 0.059 in)

The tag length with metalized thread antenna will vary depending on length of thread, substrate material and proximity to human body

Read Range

Tag with 140mm antenna : 2.7 meters
 Tag with 100mm antenna : 1.1 meters
 Tag with 60 mm antenna : 0.6 meter

Mode of Operation

Passive EPC Class 1 Gen 2, ISO18000-6C

Operating Frequency

Global 860 to 960 MHz

Operating Temperature

-40°C to 85°C (-4°F to 122°F)

Temperature Resistance of Steam-Clean (stitched on clothing under guidelines provided) :

150°C < 3 min

Temperature Resistance of Ironing (stitched on clothing under guidelines provided) :

150°C < 1 min

Chemical Resistance

Detergent, Softener, Decolorizer, Oxygen Chloride, Alkali

Humidity

20%~95% RH

Industrial Wash & Dry Cycles

>150 times *without top cover seal

Accessories

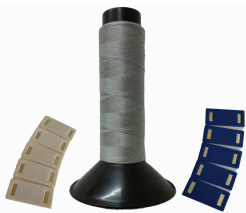
Metal Thread: CSMETHREAD1
 Top Cover: CSTOPCOVERSEAL, heat seal tape for clothing application

Memory

Ucode 7 based
 Up to 128-bit EPC ID (96-bit self pre-serialization),
 96-bit TID (48-bit factory encoded unique serial number)

Order Code

CS8200 tag: (B) Blue; (W) White; Custom colors available based on 5,000 tag MOQ
 Metalized Thread: CSMETHREAD(1) – 1,000 meter spool of thread
 CSMETHREAD(5) – 5,000 meter spool of thread
 Top Cover Seal: CSTOPCOVERSEAL -sold individually each piece is 31 x 48 mm
 Evaluation Kit: CSMETHREADEVALKIT



CSL Metalized Thread Evaluation Kit CSMETHREADEVALKIT

- 1- CSMETHREAD(1) 1,000 meter spool of thread
- 10- CS8200 tags (B) Blue
- 10 CSTOPCOVERSEAL, heat seal tape for clothing application

