



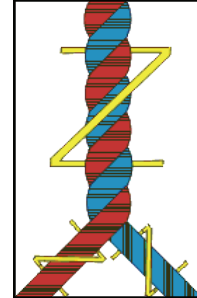
# Technical Data Sheet

PN# 260151011717oz

## Conductive Sewing Thread Size 33

**Purpose:** Conductive sewing thread for making conductive paths in garments and textiles, for making ESD products, medical and EMI shielding . Lightweight thread typically used for sewing garments. It is stronger than comparable polyester and cotton threads.

- Description: Conductive Sewing Thread Size 33
- Lineal Resistance: 100-150  $\Omega$ /inch
- Resistivity: < 0.025  $\Omega$ /sq.cm
- Nominal TEX: 28
- Nominal Denier: 252
- Nominal Diameter: 170
- Yield: 19,800 yards/lb
- Standard Packages: (1) 1oz hobby cone
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- (2) 1 lb industrial cone



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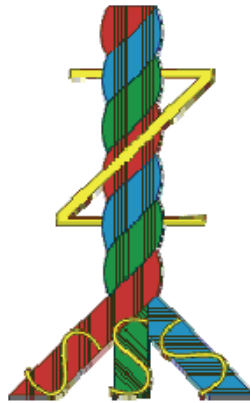
# Technical Data Sheet

PN# 260151022110

## Conductive Sewing Thread Size 40

**Purpose:** Conductive sewing thread for making conductive paths in garments and textiles, for making ESD products, medical and EMI shielding . Lightweight thread typically used for sewing garments. It is stronger than comparable polyester and cotton threads.

- Description: Conductive Sewing Thread Silver plated Nylon 66 yarn 22 dtex + 3ply of 110 dtex PET total Size 40
- Lineal Resistance: <math><4000K \Omega / 50cm</math>
- Nominal TEX: 360
- Nominal Denier: 350
- Nominal Diameter: 180 microns
- Yield: 27,692.3 M/Kg
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- Standard Packages: (1) 100g cone



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# Technical Data Sheet

PN# 260151023534oz

## Conductive Sewing Thread Size 92

**Purpose:** Conductive sewing thread for making conductive paths in garments and textiles, for making ESD products, medical and EMI shielding . Middleweight thread typically used for sewing leather, upholstery fabric, canvass, and vinyl. *This size normally requires a commercial sewing machine.*

- Description: Conductive Sewing Thread Size 92

- Lineal Resistance: 50  $\Omega$ /Meter

- Resistivity: < 0.0025  $\Omega$ /sq.cm

- Nominal TEX: 92

- Nominal Denier: 828

- Nominal Diameter: 0.2mm

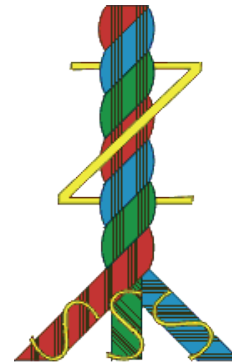
- Yield: 8,600 Meter/Kg

- Standard Packages: (1) 1oz hobby cone

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- (2) 1 lb industrial cone



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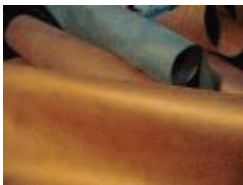
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Plated materials open unlimited opportunities for product development and Shieldex Trading USA, with fifteen years of experience, can help with a multitude of plated textile materials and processes. Electroless, galvanic or combination treatments with variable layer thickness can be tailor-made to customer needs. Flexibility and adhesion enable SHIELDEX® metalized fabrics, yarns and fillers to withstand all textile treatments including spinning, weaving, needlefelting and sewing.

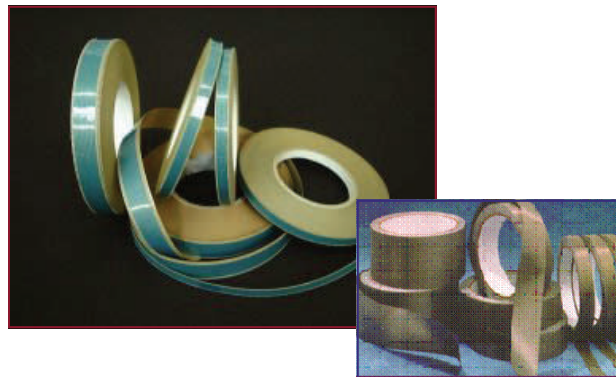
**Silver** has inherent qualities that make it the idea element to use in applications as varied as medical wound dressings, scent-free textiles, thermal management, conductive tapes, architectural shielding, EMI shielding gaskets, tent and anti-microbial fabric wipes and linens. Shieldex Trading's silver-plated fabric, tape, fillers and yarns make all these applications marketable products.



**Nickel and tin over copper/silver** plated fabrics offer outstanding EMI shielding characteristics and environmental stability.

**Aluminum foil** laminates provide answers to thermal management concerns and can solve cost sensitive EMI shielding problems such as I/O applications, as well as, infrared signature reduction.

**Shieldex Trading** provides metalized materials to meet the requirements of all these varied applications.



### SHIELDEX Ultra-Flex Shielding Tape

- Highly flexible and durable
- Highly conductive, yielding reliable shielding effectiveness
- High tack adhesive system
- End-user safety with no razor-sharp foil edges to cut fingers
- Easily die-cut and processed without the fraying that is typical with rip-stop fabric tapes
- Total galvanic compatibility with all mating surfaces.



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## Metalized Yarns Fibers & Fabrics



FABRICS FOR TECHNOLOGY

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