

## Marktek Inc.

Your One-Stop Shop for EMI-shielding, Conductive, Resistive, & Microwave-Absorptive Materials

### Data Sheet for S331Y Conductive Yarn

**Description:** silver-plated nylon 66, 33 dtex, round monofilament yarn

**Appearance:** silvery gray

**Finished dtex:** 39

**Nominal Diameter:** 2.4 mils (60  $\mu$ m)

**Linear Resistance:** < 200 ohm/cm (500 ohm/in)

**Yield:** 128,000 yd/lb (256,000 m/kg)  $\pm$ 5%

**Tenacity:** ~39 cN/tex

**Breaking Strength:** NA

**Elongation at Break:** ~ 35%

**Temperature Limits:** up to 90°C

**Splice Frequency:** 4 max/package(spool), air splice only

**Packaging:** 1 $\pm$ 0.1 lb (net) spools on paper or plastic, 230 mm, 3°-30 cones; 12 or 24 per case

**Applications:** Conductive thread or wire for ESD, medical, EMI knitted gasket, and smart textiles applications. Silver is a broad spectrum biocide, so the product can be used wherever antimicrobial properties are desired.

The information provided here is for illustrative purposes only and should not be considered a product specification. All statements and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. As always, it is up to the user of this product to make the final determination as to whether the said product is suitable for the user's intended application.

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