

**Marktek Inc.**

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

**Data Sheet for S211034Y Conductive Yarn**

**Description:** 2-ply (S600 twist), silver-plated nylon 66 110/34 flat yarn (Z550 twist)

**Appearance:** silvery gray

**Linear Resistance:** < 10 ohm/in (< 4 ohm/cm)

**Yield:** 18,500 yd/lb (37,000 m/kg) for 270 total dtex yarn

**Breaking Strength:** ~1.75 lb (797 g)

**Tenacity:** ~2.7 g/den (29 cN/tex)

**Elongation at Break:** ~ 32%

**Temperature Limits:** up to 90°C, 190°C (375°F) short-term

**Splice Frequency:** 4 max/package(pool)

**Packaging:** ~0.5 kg (net) spools on paper or plastic, 230 mm, 3°-30 cones

**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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