

ELITEX[®] SC – conductive and textile processible thread made of polyamide with an envelope made from pure silver



- Applications:** Heating textiles
 Conductive structures in textiles
 Textile sensors
 Limited usage when contact with liquids
 Especially used in cases of skin-contact
- Packaging:** Cone-shaped cross-wound bobbin (run length depending on metallization)
 Small amounts up to 100 m on snap bobbin
 Sample amounts 50 m on snap bobbin available for € 25,00

Specifications	Art. SC 235/f34_PA/Ag	Art. SC 110/f34_PA/Ag
Basic material		Polyamid
Coating material		> 99 % silver
Basic yarn count	235 dtex / 34 filaments	110 dtex / 34 filaments
Final yarn count*	450 dtex ± 10 dtex	220 dtex ± 10 dtex
Thickness of silver layer*		ca. 1 µm
Electrical resistance*	20 Ω/m ± 10 Ω/m	70 Ω/m ± 20 Ω/m
Run length*	22.000 m/kg ± 10 %	45.500 m/kg ± 5 %
Tensile strength	750 cN ± 50 cN	> 400 cN
Breaking extension	15 – 25 %	10 – 20 %
Allowed tensile strength by processing	≤ 200 cN	≤ 150 cN
Melting point	259 °C (according to DIN 51004 – 51007)	
Light fastness	Note 2 – 3 (according to DIN EN ISO 105 B02, to grade 8)	
Washability	30 °C; mild detergent (within the fabric)	
Solderability	with low melting solders (melting point less than 185 °C)	

*with maximum silvering

The conductivity of ELITEX[®] material can be varied through different metallization. Please request for more information about conductivity or further special threads.

Contact: **imbut GmbH**
 Zeulenrodaer Straße 42
 07973 Greiz
Anja Ludwig
 Production and Logistics
 Phone: +49 3661/611-214
 E-Mail: a.ludwig@imbut.de

