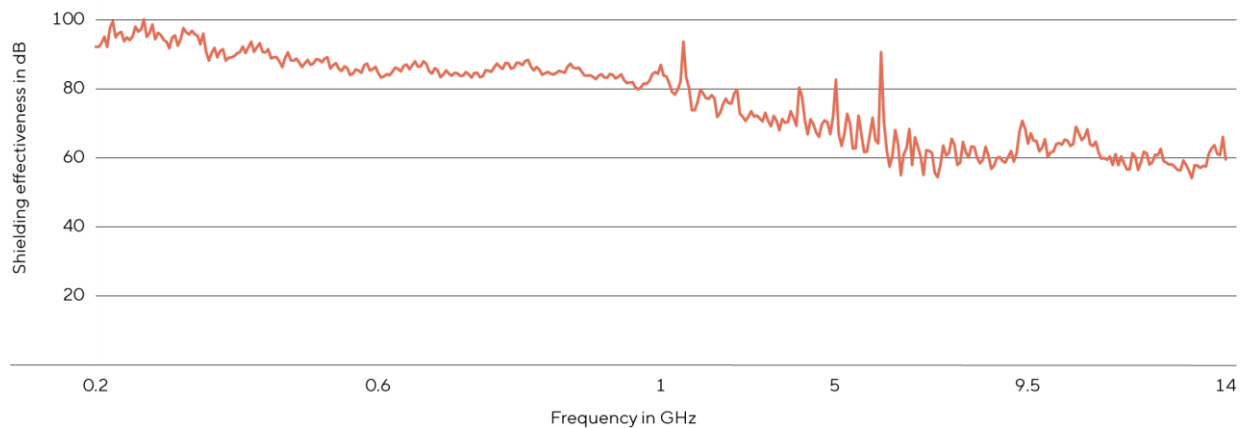


Ag	Cu	Ni	Sn
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## Shieldex<sup>®</sup> Köln

1300431100

Shielding effectiveness 0.2 - 14 GHz according to IEEE 299/2006



**Physical Address**  
V Technical Textiles, Inc  
320 South Main Street  
Newark, NY 14513

**Mailing Address**  
V Technical Textiles, Inc  
4502 State Rt. 31  
Palmyra, NY 14522

**Contact**  
Phone: (315)-597-1674  
Fax: (315)-597-6687  
info@vtechtextiles.com





## Shieldex<sup>®</sup> Köln

1300431100

<b>Raw Material</b>	100 % Polyamide / Nylon 6.6
<b>Non-woven</b>	PBN-II@ 1.5 oz spunbonded
<b>Metal Plated</b>	Copper
<b>Material Composition</b>	(45 % PA / 50.5 % Cu / 4.5 % CR Coating) ± 20 %
<b>+ CR Coating</b>	Protective acrylic coating
<b>Electrical Surface Resistivity</b>	< 0.02 Ω/□
<b>Measured Frequency</b>	0.2 GHz – 14 GHz
<b>Shielding Effectiveness 1</b>	Average of 88 dB from 0.2 GHz – 2 GHz
<b>Shielding Effectiveness 2</b>	Average of 73 dB from 2 GHz – 5 GHz
<b>Shielding Effectiveness 3</b>	Average of 63 dB from 5 GHz – 14 GHz
<b>Abrasion Resistance</b>	≥ 20000 cycles
<b>Total Weight</b>	80 g/m <sup>2</sup> ± 20 %
<b>Total Thickness</b>	0.160 mm ± 20 %
<b>Roll Width</b>	100 ± 3 cm
<b>Roll Length</b>	Average 200 m
<b>Temperature Range</b>	-30 °C to 90 °C
<b>Storage and Handling</b>	According to our care and handling instructions
<b>Compliance and Certification</b>	Hohenstein Antibacterial Activity / Z-787074, DIN EN ISO 9001:2015, REACH, RoHS

**Alterations Reserved 22.09.2021/08** – The above information has been compiled from our manufacturer area according to the latest state of development and application technology. Since application and further processing are beyond our control, no liability of the producer can be derived from the contents of the data sheet. All deviant or transcending data sheet information must be confirmed in written form by the manufacturer. Our general terms and conditions apply in all cases. All previous data sheets are invalid with the publication of this data sheet. Please note our handling and storage instructions as well accessible at [www.shieldex.de](http://www.shieldex.de).

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