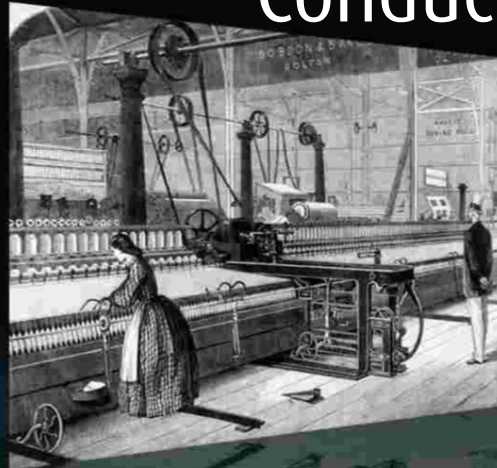


Gruschwitz Textilwerke AG

Elektrisch leitfähige Zwirne

Conductive Yarns



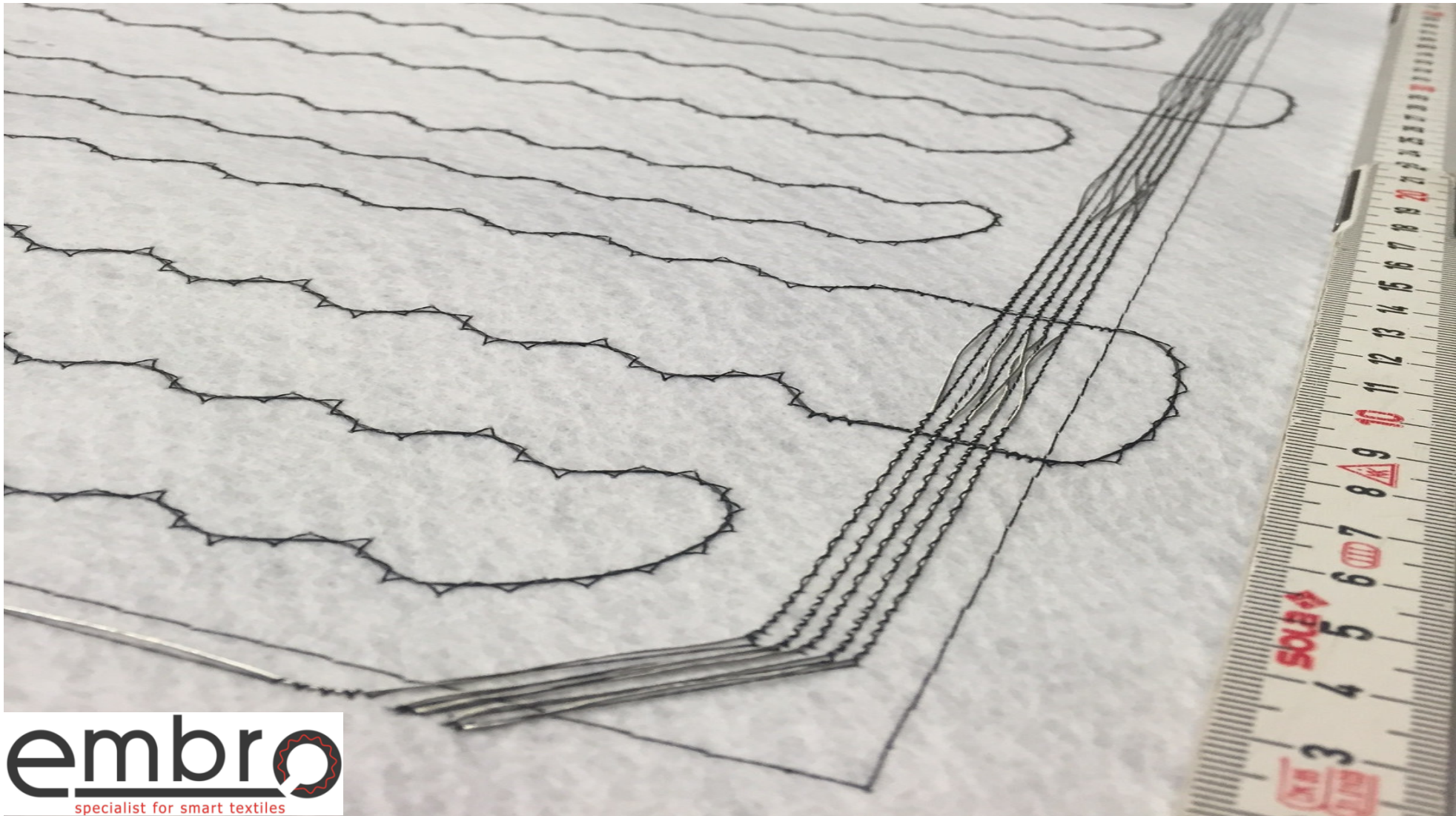
„Innovations by
Competence“

Elektrisch leitfähige Zwirne/Conductive yarns

#	Material	Function		Resistance [Ω/m]	Linear Density [dtex]	Tensile strength [N]	Elong. at break [%]	Applications / value for the customer
		Antistatic	Conductivity					
1	1 x PES dtex 280 1 x Copper 0,05 mm	✓	✓	9	457	17	21	Conductive fabric/mesh
2	2 x PES dtex 74 2 x Stainless Steel 0,03 mm	✓	✓	530	309	10	11	Knitted heating application
3	2 x PES dtex 455 1 x Stainless Steel 0,1 mm	✓	✓	101	1577	69	13	Conductive sewing thread
4	3 x Polyamid dtex 235 1 x Shieldex dtex 78	✓		4880	856	48	24	Antistatic sewing thread
5	Sigrafil SBY 70 dtex 700, uncoated (PU coated)	✓	✓	490 (500)	700 (750)	>48	>0,8	Panel heating
6	Cotton Nm60/2 Negastat dtex 39	✓		> 1 x 10 ⁸	370	5,3	6,6	Antistatic fabric/mesh
7	3 x PES dtex 74 3 x Negastat dtex 39	✓		> 1 x 10 ⁸	320	15	13	Antistatic sewing thread

Ausgewählte Beispiele für sehr dünne elektrische Zwirne. Falls Sie dickere Konstruktionen benötigen, kontaktieren Sie uns bitte!
Selected examples of very thin conductive yarns. In case you need thicker constructions, please contact us!

SIGRAFIL C SBY 70 as a conductive yarn for a heating system application



What are the advantages of Gruschwitz's conductive yarn range...

- High flexibility due to
 - Hybrid yarns
 - Different constructions
- Broad range of resistance levels
- Broad range of formats/bobbins

Thank you very much for your attention!

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