



Gütermann



THREAD GUIDE

TO PROFESSIONAL SEAMS



THE STRONGEST CONNECTIONS ARE PERSONAL RELATIONSHIPS — AND PEOPLE ARE OUR PRIORITY

The beauty of perfection is that it is hard to notice. Our sewing thread is such high quality that it is unnoticeable. Whether for designer collections, technical textiles or rugged outdoor fabric: it matters not. At A&E Gütermann, every individual stands behind it.

We – and our team – are there for you whenever thread and materials need to be perfectly matched. For any type of stitch or any length. For seams with elasticity, durability or the right appearance.

Our threads have the perfect properties, sew outstandingly and have high functionality. In addition, we provide service and comprehensive advice. No question is left unresolved – we give you know-how that takes you further.

We don't yet know what the thread of the future will be, but we're sure of one thing: We will produce it.

OUR VALUES



PREMIUM QUALITY



RESPONSIBLE



TRADITIONAL



SOLUTION-ORIENTED



PASSIONATE



WITHOUT LIMITS

We think globally and act locally - for our customers around the world no matter what industry. What can they expect from us? Unlimited trustworthiness. With a partner that is at home on any continent.

Being globally active requires clear principles. When it comes to our production standards, we make no compromises. "Made in Europe". That is our consistent promise of quality. You can be sure of it.

OUR VISION

"Seams unlimited" – that means complete sewing thread competence for all requirements and customers around the world. You can find the right product for any application in our industrial product range. That is our claim - and you can see how we measure up to it. If you should notice that your particular requirements are not one-hundred percent covered by our current product range, we welcome the challenge to do everything we can to find the perfect product for your purposes.

Have you been hesitating to make an enquiry? Then don't wait any longer. Get in touch with us as soon as you can. We look forward to hearing from you.

You can reach us at:

Tel.: +49 7681 21-0 or email to: contact@guetermann.com

EARN TRUST
VALUE PERFORMANCE



WORK TOGETHER
ACT RESPONSIBLY



A&E GÜTERMANN — A SUSTAINABLE AND STRONG CONNECTION

LIVE YOUR VALUES

Quality and sustainability along the entire added value chain creates true values – for you, for us and for coming generations. From management to production staff, we are committed to safeguarding these values anew – day in, day out. And the central value for us here is: Respect. We express respect at our company daily: In the form of appreciation and attention towards our employees.

They are the foundation of our successful development and their health, safety and on-going training is a central concern for us.

We also show responsibility towards our customers and suppliers as well as towards our planet. Today and for the future.

THINK ABOUT TOMORROW TODAY

We are a global player. And the future of the earth is something we don't play with. Which is why we stand not only for worldwide seam competence, but also for responsibility towards

people and the environment. Sustainable production methods are standard for us because that is the only way to make global success long-lasting.

QUALITY IS SUSTAINABLE

For many years we have been investing in innovative technologies and manufacturing processes at all of our production locations in order to reduce any environmental impact in all areas – with noticeable success! For example, we have been documenting our production in accordance with the specifications and guidelines of

Oeko-Tex Standard 100 for many years now. In addition we ensure minimal textile waste during production, low water consumption, highly economical use of dyes and chemicals and compliance with Europe's REACH chemical directive.



48,000,000 kg
greenhouse gasses saved since 2006.



100 %
of the electrical power consumed at A&E Gütermann in Gutach-Breisgau originates from hydro power.



ZERO
landfill trash in the United States. The USA is the second country after Sri Lanka that is meeting this global objective for all A&E plants.



2 %
reduction in global CO₂ emissions by A&E since 2006.



34 %
reduction in global water use since 2006.



106,000,000 kWh
of power have been saved since 2006. This contributed to a drop in the global energy use of 7%.



PRIZED WORLDWIDE — QUALITY FROM EUROPE

OUR PRODUCTION FACILITIES IN EUROPE

A&E Gütermann is present through its strong production at its headquarters in Germany and in Slovenia today. Our dense network of other production companies and subsidiaries, trade

partners and efficient logistics ensure that our products arrive at the right place at the right time – guaranteed. With safety and certainty, wherever you are. We promise.

PASSION AND TECHNOLOGY

Our continuous product growth reflects your requirements. The ongoing optimisation of our manufacturing processes, consistent outstanding material quality and innovative product technologies ensure that the sewing thread from A&E Gütermann is among the best in the world.

We place special value on perfect interaction between attractive appearance, tear resistance and sustainable business. When our existing processes hit their limits, we like to go that extra step further to achieve the best possible results for you.

OUR KNOW-HOW — YOUR ADDED VALUE

COMPREHENSIVE PRODUCT ADVICE	EXCELLENT COLOUR SERVICE	COMPETENT ADVICE ON SEWING TECHNOLOGY	RELIABLE AFTER-SALES SERVICE
<ul style="list-style-type: none"> Broadly placed field service and in-house service Product catalogue and other product brochures ANECALC: Calculation of the thread use 	<ul style="list-style-type: none"> Colour cards Thread sample box Colorlink Service: Dye to match Color Room 	<ul style="list-style-type: none"> On-site advising or at Our Seam Competence Center Customised technical development 	<ul style="list-style-type: none"> Competent service teams available worldwide

CERTIFIED QUALITY MANAGEMENT

Our sewing thread manufacturing and the quality of the materials we use meet strict European regulations. Our production is certified according to DIN EN ISO 9001:2008 and ISO/TS 16949:2009.

Our sewing threads are flawless in the finishing as well as the final use of them because our suppliers also comply with the defined specifications in order to guarantee our standards when working with us. To meet all aspects of these requirements in full, A&E Gütermann voluntarily undertakes to be regularly inspected and evaluated by independent external certification institutes.



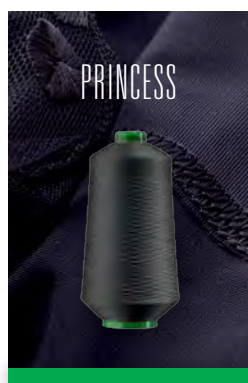
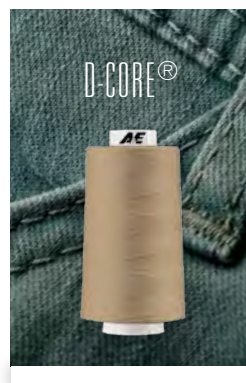
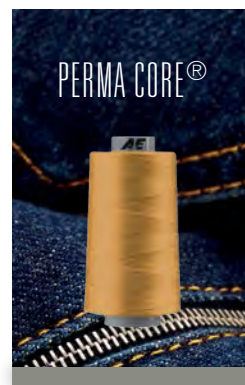



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MARA

FOR THE PERFECT SEAMS



Material:	100 % Polyester
Construction:	Micro Core Technology®
Areas of use:	Menswear and womenswear Designed for universal use – for different purposes depending on the thread thickness Closing seams and holding seams Ideal for buttonhole and decorative seams
Product benefits:	Unique production technology, developed for the finest seams Particularly shiny with a silk-like sheen Extremely rub and abrasion resistant Outstandingly uniform seams Highly durable and robust seams Fine cross-section for particularly smooth seams Fully suitable for automatic sewing machines Designed for universal use

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Mara 220			
No. / Tkt.	220	– Needle and looper thread for fine seams	5,000 m 772607
tex	13	– Overlocked seams	10,000 m 772615
dtex	130(1)	– Looper thread for embroidery machines	*22,000 m 777951
Mara 150			
No. / Tkt.	150	– Fine menswear and womenswear	1,000 m 713953
tex	20	– Shirts and blouses	5,000 m 713961
dtex	200(2)	– Underwear	*15,000 m 713970
Mara 120			
No. / Tkt.	120	– Fine menswear and womenswear	1,000 m 700207
tex	25	– Shirts and blouses	5,000 m 700185
dtex	250(2)	– Underwear and lingerie	*10,000 m 700193
Mara 100			
No. / Tkt.	100	– Menswear and womenswear	1,000 m 707694
tex	30	– Protective workwear	5,000 m 707708
dtex	300(2)	– Leisurewear	*10,000 m 711063
Mara 80			
No. / Tkt.	80	– Leisurewear	800 m 700428
tex	40	– Protective workwear	5,000 m 700410
dtex	400(2)	– Home textiles	*8,000 m 707449
Mara 70			
No. / Tkt.	70	– Menswear and womenswear	700 m 702170
tex	40	– Leather Clothing	2,800 m 732648
dtex	400(3)	– Small leather goods	*7,000 m 702153

* available on request



ARTICLE		APPLICATIONS		MAKE-UP	ARTICLE CODE
Mara 50					
No. / Tkt.	50	– Menswear and womenswear	– Leather goods	500 m	702277
tex	60	– Leather clothing		*2,000 m	732443
dtex	600 (3)	– Upholstered furniture		5,000 m	702250
Mara 35					
No. / Tkt.	35	– Upholstered furniture	– Suitcases, travel bags	400 m	715212
tex	80	– Shoes		*4,000 m	715190
dtex	800 (2)	– Sails, tents, tarpaulins			
Mara 30					
No. / Tkt.	30	– Menswear and womenswear		300 m	702404
tex	100	– Shoes		1,200 m	732206
dtex	1000 (3)	– Leather goods		*3,000 m	702358
Mara 15					
No. / Tkt.	15	– Leather goods, backpacks	– Coarse decorative thread	1,500 m	720429
tex	200	– Filter technology			
dtex	2000 (3)	– Tents			
Mara 11					
No. / Tkt.	11	– Leather goods, backpacks	– Buttonhole gimp thread	110 m	702510
tex	265	– Filter technology	– Coarse decorative thread	1,130 m	702501
dtex	2650 (4)	– Tents			
Mara 8					
No. / Tkt.	8	– Leather goods, backpacks	– Coarse decorative thread	800 m	707660
tex	400	– Filter technology			
dtex	4000 (4)	– Tents			

* available on request



Material:	100 % Polyester, recycled
Construction:	Micro Core Technology®
Areas of use:	Clothing Leather goods Visible decorative seams
Product benefits:	Made from recycled PET bottles Unique production technology Fine cross-section for particularly smooth seams Sewable with constant thread tension Completely dust and lint-free

ARTICLE	APPLICATIONS		MAKE-UP	ARTICLE CODE	
Mara 100 rPET					
No./Tkt.	100	– Menswear and womenswear	– Closing seams and holding seams for fine and medium fabric weights	1,000 m	723983
tex	30				
dtex	300(2)				
Mara 50 rPET					
No./Tkt.	50	– Menswear and womenswear – Leather goods – Upholstered furniture	– Closing seams for heavy weight fabric – Decorative and top-stitched seams	500 m	708470
tex	60				
dtex	600(3)				
Mara 30 rPET					
No./Tkt.	30		– Closing seams for heavy weight fabric – Decorative and top-stitched seams	300 m	708437
tex	100				
dtex	1000(3)				
Mara 11 rPET					
No./Tkt.	11		– Decorative and top-stitched seams	110 m	708518
tex	265				
dtex	2650(4)				



MARAFLEX

FOR HIGHLY ELASTIC SEAMS



Material:	100 % Polybutylene terephthalate (PBT)
Construction:	Micro Core Technology®
Areas of use:	Highly elastic seams Especially for double lockstitch seams Closing seams and elasticated decorative seams
Product benefits:	Extraordinary elasticity Stretchy seams, especially on woven goods Smooth, pucker-free appearance Suitable for use as a needle or looper thread Excellent sewability

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Maraflex 120			
No. / Tkt. 120	– Double lockstitch seams	1,500 m	716936
tex 38	– Needle and looper thread for elastic seams		
dtex 380(2)	– Very elastic woven and knitted goods		
	– Bike wear		
	– Equestrian sports		
Maraflex 80			
No. / Tkt. 80		2,000 m	716103
tex 55			
dtex 550(3)			
Maraflex 50			
No. / Tkt. 50	– Very elastic woven and knitted goods	3,000 m	717142
tex 88	– Decorative and top-stitched seams		
dtex 880(2)	– Trousers		
	– Bike wear		
Maraflex 30			
No. / Tkt. 30	– Trousers	2,000 m	717134
tex 132	– Shoes		
dtex 1320(3)	– Decorative and top-stitched seams		



PERMA CORE® ULTIMATE

FOR PARTICULARLY FINE SEAMS



Material:	100 % Polyester
Construction:	Core spun, compactly spun
Areas of use:	Shirts and blouses Delicate fabrics
Product benefits:	Extremely compactly spun sewing thread Ideal for delicate fabrics Suitable for use with smaller needles, thereby minimising displacement puckering Excellent friction values enable minimum tension settings and reduce tension puckering Suitable for use with automatic sewing machines

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Perma Core® Ultimate 180			
No. / Tkt. 180	– Shirt and blouses	1,000 m	709010
tex 16	– Suitable for straight button hole	5,000 m	709011
dtex 160(2)			
Perma Core® Ultimate 160			
No. / Tkt. 160	– Fine menswear and womenswear	1,000 m	709000
tex 18	– Underwear and lingerie	5,000 m	709001
dtex 180(2)	– Closing seams for fine weight fabric – Decorative and top-stitched seams		

PERMA CORE®

THE SEWING THREAD FOR JEANS AND HEAVY-DUTY SEAMS



Material:	100 % Polyester
Construction:	Core spun thread
Areas of use:	For heavy-duty seams Jeans Workwear Upholstered furniture Mattresses
Product benefits:	Rub and abrasion resistant Suitable for multi-directional sewing Sewing with low tension levels possible Suitable for use with automatic sewing machines

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Perma Core® 120			
No. / Tkt. 120	– Denim	1,000 m	708960
tex 24	– Workwear	5,000 m	708961
dtex 240(2)	– Home textiles		
	– Upholstered furniture		
Perma Core® 75			
No. / Tkt. 75		1,000 m	708940
tex 40		5,000 m	708941
dtex 400(2)			
Perma Core® 50			
No. / Tkt. 50		500 m	708930
tex 60		5,000 m	708931
dtex 600(2)			
Perma Core® 36			
No. / Tkt. 36		350 m	708920
tex 80		5,000 m	708921
dtex 800(2)			
Perma Core® 30			
No. / Tkt. 30		300 m	708970
tex 90		3,000 m	708971
dtex 900(2)			
Perma Core® 27			
No. / Tkt. 27		5,000 m	708911
tex 105			
dtex 1050(2)			
Perma Core® 25			
No. / Tkt. 25		5,000 m	708901
tex 120			
dtex 1200(3)			

Please note: further counts are available upon request

SKALA

FOR ALMOST INVISIBLE SEAMS

TERA

FOR ALMOST INVISIBLE SEAMS



Material: 100 % Polyester

Construction: Continuous filament, bonded

Areas of use: Blind hemming | Overlock seams for light weight fabric | Overedging and safety seams | Fine seam finishing

Product benefits: Semi-transparent | Goes optimally with colours | Subtle thanks to colour change | No ironing marks | Excellent sewability



ARTICLE		APPLICATIONS		MAKE-UP	ARTICLE CODE
Skala 360					
No. /Tkt.	360	– Blind hemming – Overedging and blind seaming machines		5,000 m	749591
tex	8			20,000 m	704997
dtex	80(1)				
Skala 240					
No. /Tkt.	240	– Overlocked seams – Closing seams for overlock machines – Safety seams	– Blind hemming	5,000 m	720763
tex	12		– Micro zigzag	10,000 m	715174
dtex	120(1)			20,000 m	715166
Skala 200					
No. /Tkt.	200	– Overlocked seams – Closing seams for overlock machines – Safety seams	– Blind hemming	10,000 m	705020
tex	15		– For fur sewing machines as well	20,000 m	705039
dtex	150(1)		– Micro zigzag		

Material: 100 % Polyester

Construction: Continuous filament

Areas of use: High-quality cutting edge coverage on delicate fabrics | Blind hemming | Safety seams

Product benefits: Optimum colour adjustment | Little colour change | Abrasion resistant | No ironing marks | Suitable as a needle and looper thread for fine seams | Excellent sewability | Fully suitable for automatic sewing machines



ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Tera 420				
No. /Tkt.	420	– Needle and looper thread for fine seams	5,000 m	794899
tex	8	– Multi-needle quilting, fur sewing machines	10,000 m	792527
dtex	80(2)	– Double thread blind hemming		
Tera 180				
No. /Tkt.	180	– Needle and looper thread for fine seams	5,000 m	704172
tex	16	– Multi-needle quilting, fur sewing machines	10,000 m	704180
dtex	160(2)	– Double thread blind hemming	20,000 m	704199
		– Micro zigzag		



Material:	100 % Polyester
Construction:	Textured sewing thread
Areas of use:	Overlock and overedging seams For light and medium fabrics Knitted goods Corsets Home textiles
Product benefits:	Extremely soft, covering seams Good cutting edge coverage Suitable for use with serging machines Suitable as a looper and cover thread for swimwear and corsets Excellent sewability Highest sewing reliability on high-speed machines No seam marks

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Gütermann E 121			
No. / Tkt. 240	– Overlock and blind stitched seams	10,000 m	715298
tex 12		30,000 m	715280
dtex 120(1)			
Gütermann E 151			
No. / Tkt. 160		10,000 m	715328
tex 19		24,000 m	715310
dtex 190(1)			
Gütermann E 382			
No. / Tkt. 80		6,000 m	730815
tex 38		12,000 m	715301
dtex 380(2)			



D-CORE®

FOR HEAVY-DUTY SEAMS



Material:	Polyester/cotton
Construction:	Core spun thread
Areas of use:	Jeans Workwear Clothing subjected to enzymatic and chemical treatments Well suited for post-treatment processes such as "stone washed"
Product benefits:	Available with a dyed cotton spun cover Uniform thread Withstands high needle temperatures when sewing at high speeds Suitable for multi-directional sewing

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
D-Core® 120			
No. / Tkt. 120	– Denim	5,000 m	705845
tex 24	– Workwear		
dtex 240 (2)	– Overlocked seams		
D-Core® 75			
No. / Tkt. 75	– Closing seams and top-stitched seams	5,000 m	705844
tex 40	– Decorative stitching		
dtex 400 (2)			
D-Core® 50			
No. / Tkt. 50	– Closing seams and top-stitched seams	5,000 m	705843
tex 60	– Decorative stitching		
dtex 600 (2)			
D-Core® 36			
No. / Tkt. 36	– Closing seams and top-stitched seams	5,000 m	705842
tex 80	– Decorative stitching		
dtex 800 (2)			
D-Core® 27			
No. / Tkt. 27	– Closing seams and top-stitched seams	5,000 m	705841
tex 105	– Decorative stitching		
dtex 1050 (2)			
D-Core® 25			
No. / Tkt. 25	– Closing seams and top-stitched seams	5,000 m	705840
tex 120	– Decorative stitching		
dtex 1200 (3)			

PIUMA FOR SOFT SEAMS PRINCESS FOR SOFT SEAMS



Material: 100 % Polyester
Construction: Textured microfibre
Areas of use: Overlock and cover thread | Overedging and safety seams for underwear
Product benefits: Robust | Barely perceptible | Soft, natural feel | High colour compatibility | Suitable for use as a needle and looper thread



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Piuma 160			
No. / Tkt. 160	– Underwear	5,000 m	711616
tex 19	– Sportswear		
dtex 190(1)	– Swimwear		
	– Knitted and warp knitted		
Piuma 140			
No. / Tkt. 140	– Underwear	5,000 m	711004
tex 22	– Sportswear	10,000 m	788910
dtex 220(1)	– Swimwear		
	– Knitted and warp knitted		

Material: 100 % Polyamide
Construction: Textured microfibre (Princess 80/160) / Continuous filament (Princess 120)
Areas of use: Underwear | Lingerie | Hosiery | Swimwear | For elastic overlock and overedging seams | Also suitable for piece dyeing
Product benefits: Good stretching properties for elastic seams | Particularly soft | Bulked character ensures excellent cover | Excellent sewability as needle and looper thread and as cover thread



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Princess 160			
No. / Tkt. 160	– Underwear	5,000 m	713368
tex 18	– Sportswear	10,000 m	713210
dtex 180(1)	– Activewear		
Princess 80			
No. / Tkt. 80		5,000 m	713422
tex 38			
dtex 380(1)			
Princess 120 // Continuous filament			
No. / Tkt. 120		5,000 m	713244
tex 25			
dtex 250(3)			



ANECOT® PLUS

FOR VERY HEAVY-DUTY SEAMS IN GARMENT DYEING



Material:	100% Cotton
Construction:	Spun, long fibre
Areas of use:	Garment dyed textiles
Product benefits:	Combed, singed and mercerized for visual sheen Exceptional dyeing Shrink-proof Good resistance during finishing processes Suitable for heavy duty seams Very good rub resistance High uniformity Soft Sewable at high speed

ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Anecot® Plus 50 / 3		– Garment dyeing of cotton and Lyocell garments	10,000 m	705804
No. /Tkt.	90			
tex	35			
dtex	350(3)			
Anecot® Plus 30 / 3			5,000 m	705803
No. /Tkt.	50			
tex	60			
dtex	600(3)			
Anecot® Plus 24 / 3			5,000 m	705802
No. /Tkt.	40			
tex	75			
dtex	750(3)			
Anecot® Plus 16 / 3			3,000 m	705801
No. /Tkt.	25			
tex	110			
dtex	1100(3)			
Anecot® Plus 12 / 4			2,000 m	705800
No. /Tkt.	18			
tex	150			
dtex	1500(4)			

ANECOT® EXTRA

FOR GARMENT DYEING



Material:	100% Cotton
Construction:	Spun, long fibre
Areas of use:	Garment dyed textiles
Product benefits:	Combed, singed and mercerized for visual sheen Exceptional dyeing Shrink-proof Good resistance during finishing processes Good tear resistance

ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Anecot® Extra 50 / 3				
No. / Tkt.	90	— Garment dyeing of cotton and Lyocell garments	10,000 m	705824
tex	35			
dtex	350(3)			
Anecot® Extra 30 / 3				
No. / Tkt.	50		5,000 m	705823
tex	60			
dtex	600(3)			
Anecot® Extra 24 / 3				
No. / Tkt.	40		5,000 m	705822
tex	75			
dtex	750(3)			
Anecot® Extra 16 / 3				
No. / Tkt.	25		3,000 m	705821
tex	110			
dtex	1100(3)			



LYOCELL

FOR GARMENT DYEING



Material:	100 % Lyocell
Construction:	Spun
Areas of use:	Garment dyed textiles
Product benefits:	Ideal strain properties Very good seaming properties for elastic materials Perfect to supplement cotton threads

ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Lyocell 120				
No. /Tkt.	120	— Garment dyeing of cotton and Lyocell garments	5,000 m	748900
tex	25			
dtex	250 (2)			
Lyocell 70				
No. /Tkt.	70		5,000 m	748897
tex	40			
dtex	400 (3)			



Material:	Polyester/cotton
Construction:	Core spun thread
Areas of use:	Jeans Workwear Well suited for finishing processes such as “stone washed”
Product benefits:	RFD = Ready for Dyeing Suitable for use as a needle and looper thread Excellent resistance to frequent washing Good sewability Available with a light, dark or very dark dyed polyester core for enhanced colour coverage

ARTICLE		APPLICATIONS		MAKE-UP	ARTICLE CODE
D-Core® RFD 75					
No. / Tkt.	75	— Garment dyeing of cotton and Lyocell garments — Denim — Workwear	light	5,000 m	705864-75000
tex	40		dark	5,000 m	705864-75001
dtex	400 (2)		very dark	5,000 m	705864-75007
D-Core® RFD 50					
No. / Tkt.	50		light	5,000 m	705863-75000
tex	60		dark	5,000 m	705863-75001
dtex	600 (3)		very dark	5,000 m	705863-75007
D-Core® RFD 36					
No. / Tkt.	36		light	3,000 m	705862-75000
tex	80		dark	3,000 m	705862-75001
dtex	800 (4)		very dark	3,000 m	705862-75007
D-Core® RFD 27					
No. / Tkt.	27		light	5,400 m	705861-75000
tex	105		dark	5,400 m	705861-75001
dtex	1050 (3)		very dark	5,400 m	705861-75007
D-Core® RFD 25*					
No. / Tkt.	25		light	5,400 m	705860-75000
tex	120		dark	5,400 m	705860-75001
dtex	1200 (3)		very dark	5,400 m	705860-75007

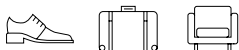
* available on request



Material:	100 % Polyester
Construction:	Continuous filament
Areas of use:	All-purpose thread for shoes and leather For robust holding and closing seams or decorative seams Workwear Home textiles Upholstered furniture
Product benefits:	Exceptional rub and abrasion resistance Problem-free, even when using fine needles No stitch hole tearing Excellent sewability Good thermal tolerance thanks to heat-repellent preparation Highest sewing reliability

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Tera 80			
No. / Tkt.	80	*800 m	707791
tex	35	2,400 m	704261
dtex	350 (3)	8,000 m	704270
Tera 60	<ul style="list-style-type: none"> – Shoes – Leather goods – Technical textiles – Upholstered furniture – Backpacks – Suitcases 		
No. / Tkt.	60	*600 m	707422
tex	50	1,800 m	704350
dtex	500 (3)	6,000 m	704369
Tera 40			
No. / Tkt.	40	*400 m	707430
tex	75	1,200 m	704440
dtex	750 (3)	4,000 m	704458
Tera 30			
No. / Tkt.	30	*300 m	732214
tex	100	900 m	704601
dtex	1000 (3)	3,000 m	704610
Tera 20			
No. / Tkt.	20	*200 m	732060
tex	150	600 m	704687
dtex	1500 (3)	2,000 m	704695
Tera 15			
No. / Tkt.	15	400 m	784290
tex	200		
dtex	2000 (3)		
Tera 10			
No. / Tkt.	10	300 m	704814
tex	290	1,000 m	704822
dtex	2900 (3)		
Tera 8			
No. / Tkt.	8	240 m	704911
tex	375	800 m	704920
dtex	3750 (3)		
Tera 5			
No. / Tkt.	5	150 m	704849
tex	600	500 m	704857
dtex	6000 (3)		

* available on request



Material:	100 % Polyester
Construction:	Continuous filament, braided
Areas of use:	Raised decorative seams on leather goods and shoes Upholstered furniture
Product benefits:	Good thermal tolerance thanks to heat-repellent preparation L = lubricated, for machine sewing WX = fully waxed, for hand stitching

ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Anebraid L				
mm dtex	0,8 3700	– Shoes – Leather – Upholstered furniture – Decorative stitching	1,000 m	709033
mm dtex	1,0 4900		800 m	709032
mm dtex	1,2 8000		600 m	709031
mm dtex	1,4* 8600		400 m	709030
Anebraid WX				
mm dtex	0,8 4600		500 m	709053
mm dtex	1,0 6100		500 m	709052
mm dtex	1,2 9500		500 m	709051
mm dtex	1,4* 10100		500 m	709050

* available on request



ZWIBOND

FOR PARTICULARLY ROBUST SEAMS



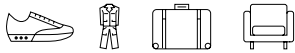
Material:	100 % Polyamide 6.6
Construction:	Continuous filament, inner-bonded
Areas of use:	Upholstered furniture Suitcases Belts Accentuated quilting seams
Product benefits:	Extremely rub and abrasion resistant High reliability on automatic sewing machines thanks to inner bonding Excellent sewability Ideal for 2-needle machines Optimum durability

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Zwibond 60			
No. / Tkt. 60	– Shoes, leather goods, suitcases	– Car seats	6,000 m
tex 50	– Tarpaulins		713074
dtex 500 (3)	– Technical textiles		
Zwibond 40			
No. / Tkt. 40	– Shoes, leather goods	– Tarpaulins, mattresses	4,000 m
tex 75	– Airbags, parachutes, car seats		713066
dtex 750 (3)	– Seating sets, technical fabrics		
Zwibond 30			
No. / Tkt. 30	– Shoes, leather goods, suitcases	– Parachutes	3,000 m
tex 100	– Airbags, tarpaulins		713058
dtex 1000 (3)	– Belts		
Zwibond 20			
No. / Tkt. 20	– Shoes, leather goods, suitcases	– Backpacks, inflatable boats	2,000 m
tex 150	– Airbags, belts		713040
dtex 1500 (3)	– Tarpaulins, parachutes		
Zwibond 13*			
No. / Tkt. 13	– Shoes, suitcases	– Large tarpaulins	1,300 m
tex 230	– Saddles (hand-sewn)	– Big bags	713031
dtex 2300 (3)	– Belts for lifting, carrying and fastening		
Zwibond 8*			
No. / Tkt. 8	– Shoes, suitcases	– Large tarpaulins, parachutes	800 m
tex 375	– Saddles (hand-stitching)	– Big bags	713023
dtex 3750 (3)	– Belts for lifting, carrying and fastening		
Zwibond 6*			
No. / Tkt. 6	– Threading thread for chairs, paddings		600 m
tex 500	– Slippers		713015
dtex 5000 (4)			
Zwibond 4*			
No. / Tkt. 4			400 m
tex 750			713007
dtex 7500 (3)			

* available on request

AMIFIL

FOR PARTICULARLY ROBUST SEAMS



Material:	100 % Polyamide 6.6
Construction:	Continuous filament
Areas of use:	Upholstered furniture Luggage Handbags Shoes Sports equipment
Product benefits:	Excellent sewability Extremely rub and abrasion resistant Optimum stretching properties for uniform and durable seams

ARTICLE		APPLICATIONS		MAKE-UP	ARTICLE CODE
Amifil 60*					
No. / Tkt.	60	– Shoes, leather goods		1,800 m	709130
tex	45	– Technical textiles		6,000 m	709131
dtex	450(3)				
Amifil 40*					
No. / Tkt.	40	– Shoes, leather goods, suitcases	– Mattresses	1,200 m	709120
tex	70	– Technical textiles		4,000 m	709121
dtex	700(3)	– Airbags, car seats			
Amifil 30*					
No. / Tkt.	30	– Shoes, leather goods, suitcases	– Technical textiles	3,000 m	709110
tex	90	– Mattresses		6,000 m	709111
dtex	900(3)	– Parachutes			
Amifil 20*					
No. / Tkt.	20	– Shoes, leather goods, suitcases	– Airbags, belts, parachutes	1,000 m	709100
tex	135	– Mattresses		2,000 m	709101
dtex	1350(3)	– Technical textiles like tarpaulins			
Amifil 13*					
No. / Tkt.	13	– Shoes, leather goods, suitcases		1,300 m	709090
tex	210	– Mattresses			
dtex	2100(3)	– Belts for lifting, carrying and fastening			
Amifil 10*					
No. / Tkt.	10	– Shoes, leather goods, suitcases		1,000 m	709080
tex	280	– Belts for lifting, carrying and fastening			
dtex	2800(3)	– Large tarpaulins, parachutes			

* available on request

Please note: further counts are available upon request



GÜTERMANN K FOR HEAT-RESISTANT SEAMS

GÜTERMANN L FOR HEAT-RESISTANT SEAMS



Material:	100 % Aramid
Construction:	Spun, long fibre
Areas of use:	Protective workwear Light tarpaulins Items of equipment
Product benefits:	Highly heat resistant Withstands temperatures of up to 360°C for short periods Does not melt Self-extinguishing with no flame Low flammability Good chemical resistance against low-strength acids and alkalines High rub resistance Excellent sewability Visual sheen

ARTICLE		APPLICATIONS		MAKE-UP	ARTICLE CODE
Gütermann K 403					
No. /Tkt.	70	– Protective workwear – Aircraft industry – Filter industry – Energy technology – Automotive industry – Fire-resistant curtains		700 m	701319
tex	40			7,000 m	701300
dtex	400(3)				
Gütermann K 753					
No. /Tkt.	40			400 m	701351
tex	75			4,000 m	701343
dtex	750(3)				
Gütermann K 403 AR					
No. /Tkt.	70			700 m	771678
tex	40			7,000 m	771686
dtex	400(3)				
Gütermann K 753 AR					
No. /Tkt.	40			400 m	777900
tex	75			4,000 m	777919
dtex	750(3)				

Material:	100 % Aramid
Construction:	Continuous filament
Areas of use:	Protective workwear Items of equipment Work shoes
Product benefits:	Highly heat resistant Withstands temperatures of up to 360°C for short periods Does not melt Low flammability Self-extinguishing with no flame Good chemical resistance against low-strength acids and alkalines Excellent sewability

ARTICLE		APPLICATIONS		MAKE-UP	ARTICLE CODE
Gütermann L 753					
No. /Tkt.	40	– Protective workwear – Aircraft industry – Filter industry – Energy technology – Automotive industry – Fire-resistant curtains		400 m	701505
tex	75			1,200 m	701491
dtex	750(3)			4,000 m	709328
Gütermann L 1503					
No. /Tkt.	20			200 m	701556
tex	150			600 m	701548
dtex	1500(3)			2,000 m	724475
Gütermann L 1501					
No. /Tkt.	20			600 m	703443
tex	150			2,000 m	703427
dtex	1500(1)				



Material:	100 % Aramid
Construction:	Spun, short fibre
Areas of use:	Protective workwear Home textiles
Product benefits:	Highly heat resistant Withstands temperatures of up to 360°C for short periods Does not melt Self-extinguishing with no flame Low flammability Good chemical resistance against low-strength acids and alkalines Good sewability Matte appearance

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Anesafe® 120			
No. / Tkt. 120	– Protective workwear	5,000 m	705703
tex 27	– Aircraft industry		
dtex 270(2)	– Filter industry		
	– Automotive industry		
Anesafe® 75			
No. / Tkt. 75		5,000 m	705702
tex 40			
dtex 400(3)			
Anesafe® 50			
No. / Tkt. 50		4,000 m	705705
tex 60			
dtex 600(3)			
Anesafe® 36			
No. / Tkt. 36		3,000 m	705704
tex 80			
dtex 800(4)			

Material:	100 % Aramid
Construction:	Spun, short fibre
Areas of use:	Protective workwear Light tarpaulins Items of equipment
Product benefits:	Highly heat resistant Withstands temperatures of up to 360 °C for short periods Does not melt Self-extinguishing with no flame Low flammability Good chemical resistance against low-strength acids and alkalines Good sewability

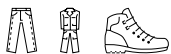
ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Salta K 120			
No. / Tkt. 120	– Protective workwear	5,000 m	703117
tex 25	– Light tarpaulins		
dtex 250(2)	– Items of equipment		
	– Fire-resistant curtains		
Salta K 70			
No. / Tkt. 70		700 m	703044
tex 40		7,000 m	703060
dtex 400(3)			
Salta K 40			
No. / Tkt. 40		400 m	703095
tex 75		4,000 m	703109
dtex 750(3)			

PERMA CORE® FR

FOR FLAME-RETARDANT SEAMS

ANTISTATIK

FOR NON-STATIC SEAMS



Material: 100 % Polyester

Construction: Core spun, flame-retardant finish

Areas of use: For clothing that must be flame-retardant such as workwear and military clothing

Product benefits: Abrasion resistance | Suitable for multi-directional sewing | Suitable for low tension sewing | Suitable for automatic sewing machines | Flame-retardant finish | Melting point at 250 °C | Perma Core® FR is certified under DIN ISO 15025 and thus suitable for use in clothing that must meet Standards EN469, EN11612, EN11611 and EN14116



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Perma Core® FR 120*			
No. / Tkt. 120	– For clothing that must have flame-resistant properties	5,000 m	705903
tex 24			
dtex 240 (2)			
Perma Core® FR 75*			
No. / Tkt. 75		5,000 m	705902
tex 40			
dtex 400 (2)			
Perma Core® FR 50*			
No. / Tkt. 50		5,000 m	705901
tex 60			
dtex 600 (2)			
Perma Core® FR 36*			
No. / Tkt. 36		5,000 m	705900
tex 80			
dtex 800 (2)			

* available on request

Material: Polyamide/Steel

Construction: Core spun thread

Areas of use: Safety and protective shoes

Product benefits: Guarantees anti-static properties for protective shoes according to DIN EN ISO 345-1 (resistance $\geq 100 \text{ k}\Omega \leq 1000 \text{ M}\Omega$) | Very low resistance due to special filament structure



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Antistatik 60/4			
No. / Tkt. 60	– Safety and protective shoes	7,000 m	586285
tex 50			
dtex 500 (4)			
Antistatik 30/4			
No. / Tkt. 30		3,500 m	582093
tex 100			
dtex 1000 (4)			

POLYPROPYLEN

FOR ACID AND LYE RESISTANT SEAMS

POLYACRYL-DOLANIT®

FOR HEAT-RESISTANT SEAMS



Material: 100 % Polypropylene
Construction: Continuous filament
Areas of use: Special threads with high acid and lye resistance for the filter industry, ecology and technical areas
Product benefits: Very good chemical resistance | High moisture resistance and low moisture absorption | Available in silicone-free version

ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Polypropylen No. 40				
No. / Tkt.	40	– Filter industry	4,000 m	748218
tex	75			
dtex	750 (2)			
Polypropylen No. 30				
No. / Tkt.	30		2,500 m	585157
tex	105			
dtex	1050 (3)			

Material: 100 % Polyacryl
Construction: Spinning fibre filament, spun
Areas of use: Special threads for the filter industry with good dry heat resistance
Product benefits: Suitable for automatic sewing machines | High heat resistance, better than polyester and polyamide 6.6 (nylon)



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Polyacryl No. 30 - Dolanit®			
No. / Tkt. 30	– Filter industry	6,000 m	777986
tex 100			
dtex 1000(3)			

SOLBOND

FOR UV-RESISTANT SEAMS

CALORA UV

FOR UV-RESISTANT SEAMS



Material: 100 % Polyester

Construction: Continuous filament, bonded

Areas of use: All-purpose thread for outdoor use | Maritime products | Tents | UV protection | Hiking boots | Tarpaulins

Product benefits: Withstands harsh environmental influences | High UV and seawater resistance | Excellent rub and abrasion resistance | Extremely colourfast | Excellent sewability | Suitable for multi-directional sewing



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Solbond 40			
No. / Tkt. 40	– Outdoor applications such as marquees, tents, sun umbrellas and upholstery	3,000 m	583588
tex 75			
dtex 750(3)			
Solbond 30			
No. / Tkt. 30		2,500 m	583570
tex 100			
dtex 1000(3)			
Solbond 20			
No. / Tkt. 20		1,500 m	583561
tex 150			
dtex 1500(3)			
Solbond 10			
No. / Tkt. 10		1,000 m	583553
tex 250			
dtex 2500(3)			

Material: 100 % Polyester

Construction: Continuous filament

Areas of use: Outdoor uses | Covers

Product benefits: Withstands harsh environmental influences | High UV and seawater resistance | Excellent rub and abrasion resistance | Extremely colourfast | Excellent sewability



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Calora UV 40			
No. / Tkt. 40	– Outdoor applications such as marquees, tents, sun umbrellas and upholstery	4,000 m	583774
tex 75			
dtex 750(3)			
Calora UV 30			
No. / Tkt. 30		3,000 m	583766
tex 100			
dtex 1000(3)			
Calora UV 20			
No. / Tkt. 20		2,000 m	583758
tex 150			
dtex 1500(3)			
Calora UV 15			
No. / Tkt. 15		1,500 m	583740
tex 200			
dtex 2000(3)			



Material:	100 % Polytetrafluoroethylene (PTFE)
Construction:	Continuous filament
Areas of use:	Marquees Outdoor uses
Product benefits:	Excellent temperature, UV light and chemical resistance Extremely tear and abrasion resistant Withstands temperatures of up to 300°C for short periods



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
PTFE 30			
No. / Tkt. 30	– Outdoor applications such as marquees, tents and	approx. 4,200 m	724831
tex 130	upholstery		
dtex 1300(3)			

Material:	100 % Sunbrella® embroidery thread
Areas of use:	Decorative embroidery for outdoor products such as parasols, marquees and tents
Product benefits:	Extremely colourfast Weatherproof Excellent coverage on extensive embroidered areas



ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Sunbrella® #24			
No. / Tkt. 75	– Embroidery thread for outdoor products	3,000 yards	705722
tex 40			
dtex 400(2)			
Sunbrella® Style L			
No. / Tkt. 160		98 yards	705721
tex 18			
dtex 180(2)			
Sunbrella® Style M			
No. / Tkt. 160		190 yards	705720
tex 18			
dtex 180(2)			

Sunbrella® embroidery thread is manufactured by American & Efird LLC. A&E is a registered trade mark of American & Efird LLC. Sunbrella® is a registered trade mark of Glen Raven, Inc. and is licensed by American & Efird LLC for use.



FILAN

FOR HEAVY-DUTY SEAMS IN MATTRESSES



Material:	100 % Polyester
Construction:	Continuous filament
Areas of use:	Sewing thread for mattresses
Product benefits:	Very good durability Low moisture absorption Very good sewability for high-speed sewing machines

ARTICLE	APPLICATIONS	MAKE-UP	ARTICLE CODE
Filan 80			
No. / Tkt.	80	8,000 m	705631
tex	30	15,000 m	705632
dtex	300(3)	27,000 m*	705630
Filan 60	– Mattresses		
No. / Tkt.	60	1,800 m	705641
tex	50	6,000 m	705640
dtex	500(3)	10,000 m	705642
		20,000 m	705643
Filan 40			
No. / Tkt.	40	1,200 m	705621
tex	70	4,000 m	705620
dtex	700(3)		
Filan 30			
No. / Tkt.	30	3,000 m	705610
tex	90		
dtex	900(3)		
Filan 20			
No. / Tkt.	20	600 m	705601
tex	135	2,000 m	705600
dtex	1350(3)		

* available on request



Material:	100 % Polyester
Construction:	Continuous filament
Areas of use:	The seam thread for mattress finishing Looper thread bobbins for quilting machines
Product benefits:	Very good durability Low moisture absorption Very good sewability for high-speed sewing machines

ARTICLE		APPLICATIONS	MAKE-UP	ARTICLE CODE
Cocoon Bobbin Filan 180				
No. / Tkt.	180	– Mattresses	290 m	705570
tex	16			
dtex	160 (2)			
Cocoon Bobbin Filan 120				
No. / Tkt.	120		190 m	705571
tex	24			
dtex	240 (3)			

Other materials for Cocoon bobbins for Quilting available on request

