

A-A-50199A

Type I



COTTON
WRAPPED
POLY CORE

A-A-50199A

A&E's Cotton Wrapped Poly Core threads that meet US Government A-A-50199A Type I specifications and are Berry Amendment Compliant

Common Applications:

- Uniforms
- Coveralls
- Shirts
- Trousers
- Jackets
- Hats



Features & Benefits:

- Cotton wrapped poly core construction
 - Allows the use of smaller thread sizes to minimize puckering or needle cutting
 - Cotton wrapper provides a “wash-down” look after finishing
 - Cotton wrapper provides superior needle-heat resistance
 - Superior sewability on manual and automatic sewing machines
 - Greater seam integrity
- Higher resistance to stretching under normal sewing tensions
 - Superior loop formation
 - Fewer skipped stitches and thread breaks
 - Fewer repairs and potential charge-backs & claims
 - Reduced seam puckering related to tension puckering
- High performance thread lubricant
 - Superior needle heat resistance
 - Superior frictional characteristics for more consistent stitch appearance.

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“There is a Difference”



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A-A-50199A Type I Physical Requirement Characteristics

Tex Size (Range)	Ticket Number	Ply	Yield Yards per lb. Nominal	Strength lbs. Min.	Elongation % Max
21 – 24	120	2	20,500	1.4	30
25 – 30	100	2	16,750	2.0	30
31 – 35	70	2	13,750	2.6	30
36 – 45	50	2	11,250	3.2	30
46 – 60	40	2 or 3	9,000	4.0	30
61 – 70	30	2 or 3	7,250	5.0	32
71 – 105	24	2 to 4	5,550	6.8	32
106 – 150	16	2 to 4	3,850	9.9	32
151- 210	12	2 to 4	2,600	13.0	32

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Government Spec.:	A-A-50199A Type I	A-A-50199A Type II	MIL-T-43624B	A-A-52095B
Construction	Cotton/Core	Poly Core	Spun Poly	Text. Poly
Sewability	Excellent	Excellent	Very Good	Good*
Seam Durability	Very Good	Excellent	Very Good	Very Good
Color Fastness	Good	Very Good	Very Good	Very Good
Chemical Resistance	Good	Very Good	Very Good	Very Good
Softness	Good	Good	Good	Very Good
Needle Heat Resistance	Very Good	Good	Good	Good
Color Availability	1024	1024	1024	1024

For information, contact your local A&E Representative,
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