

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.

*“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 – 59	40	2 or 3	9,000	4.0	30
60 – 69	30	2 or 3	7,250	5.0	32
70 – 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	<b>Cotton/Core</b>	Poly Core	Spun Poly	Text. Poly
Sewability	<b>Excellent</b>	Excellent	Very Good	Good*
Seam Durability	<b>Very Good</b>	Excellent	Very Good	Very Good
Color Fastness	<b>Good</b>	Very Good	Very Good	Very Good
Chemical Resistance	<b>Good</b>	Very Good	Very Good	Very Good
Softness	<b>Good</b>	Good	Good	Very Good
Needle Heat Resistance	<b>Very Good</b>	Good	Good	Good
Color Availability	<b>1024</b>	1024	1024	1024

For information, contact your local A&E Representative or Sherry Smith our Government Sales Specialist  
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