



August, 1978
Supersedes TD 64-550, pages 1-2,
dated May 12, 1977
Mailed to: E, D, C/2158/PL, 2162/DB

1265 Black and 1266 Tan
For Class A (105 C) Application

Bias Weave Varnished Cambric Cloth and Tape

Application of 1265 Black

Westinghouse 1265 cloth and tape uses a fine bias (diagonal) weave cotton cloth impregnated with an electrical insulating varnish. Bias cut varnished cambric is a Class A (105°C) insulation which has the advantages of conformity and elongation. It conforms tightly to irregular shapes and surfaces to give a snug insulative wrapping for use on armature coils, motors, transformers, bus bars, cable joints, and similar applications.

Advantages

High Electrical Strength: 1000 volts per mil or higher.

Good Elongation Properties: Varnish coating on bias weave cambric is extremely flexible for wrapping tightly over uneven surfaces, around corners, and over variable contours, eliminating air pockets and irregularities.

Meets requirements of MIL-1-3374, Types I and II, Class 1.

Good oil and moisture resistance.

Good slippage: Assured by light oil finish on surface of tape.

Specifications (Typical Values)

Nominal Thickness (inches).....	0.007	0.010	0.012	0.015
Weight, Approximate (lbs./sq. yd.).....	0.40	0.55	0.65	0.80
①Tensile Strength (lbs./in. of width).....	40	40	40	40
②Elongation, 6 lbs. (%).....	3	6	6	6
Average Breakdown, ¼ in. Dia. Electrodes, Short Time Test (volts/mil thickness).....	1150	1150	1100	1100
Color.....	Black with light oil finish. Other finishes available on negotiation.			
Standard Core Size, Tape.....	1 inch ID. ¾ inch ID core available on request.			
Standard Core Size, 36 inch Cloth.....	← 2 inch ID →			

Also available dry packed or in oil to customer specification.

① Obtained on Scott Tester of the dead weight pendulum type.
② ASTM-D-295.

Ordering Information

Tape is furnished in standard roll lengths of 36 and 72 yards. Non-standard lengths and oil packing quoted on request. Standard tape packed in waterproof packages approximately 10-11 inches long.

Specify dry or oily finish.

Specify thickness, width and length of tape wanted.

Pressure sensitive backing available for cloth and tape, see TD 64-540.

Application of 1266 Tan

Westinghouse 1266 cloth and tape uses a fine bias (diagonal) weave cotton cloth impregnated with an electrical insulating varnish. Bias cut varnished cambric is a Class A (105°C) insulation which has the advantages of conformity and elongation. It conforms tightly to irregular shapes and surfaces to give a snug insulative wrapping for use on armature coils, motors, transformers, bus bars, cable joints, and similar applications.

Advantages

High Electrical Strength: 1000 volts per mil or higher.

Good Elongation Properties: Varnish coating on bias weave cambric is extremely flexible for wrapping tightly over uneven surfaces, around corners, and over variable contours, eliminating air pockets and irregularities.

Meets requirements of MIL-1-3374, Types I and II, Class 1.

Good oil and moisture resistance.

Good slippage: Assured by light paraffin coat on surface of tape.

Specifications (Typical Values)

Nominal Thickness (inches).....	0.007	0.010	0.012	0.015
Weight, Approximate (lbs./sq. yd.).....	0.40	0.55	0.65	0.80
①Tensile Strength (lbs./in. of width).....	40	40	40	40
②Elongation, 6 lbs. (%).....	1.5	1.8	2	2
Average Breakdown, ¼ in. Dia. Electrodes, Short Time Test (volts/mil thickness).....	1000	1100	1100	
Color.....	Tan, with light paraffin finish. 1000 finishes on negotiation. Other			
Standard Core Size, Tape.....	1 inch ID. ¾ inch ID cores available on request.			

Standard Core Size 36 inch Cloth..... ← 2 inch ID →
Available dry-packed or in oil to customer specification, and in 36 and 72 yard rolls, paraffin-dipped.

① Obtained on Scott Tester of the dead weight pendulum type.
② ASTM-D-295.

Ordering Information

Standard tape rolls are 36 and 72 yards long. Full width fabric, 36 inches. Non-standard lengths and oil packing will be quoted on request. Standard tape packed in waterproof packages approximately 10-11 inches long.

Specify thickness, width and length per roll.

Pressure sensitive backing available for cloth and tape, see TD 64-540.



Straight Weave Varnished Cambric Cloth and Tape

1267 Tan and 1268 Black
For Class A (105 C) Application

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Application

Westinghouse 1267 cloth and tape are thin, flexible cotton fabrics with a fine, straight weave which have been impregnated with an electrical insulating varnish. Straight cut varnished cambric combines in one material the advantages of low cost insulation, high insulating values and tremendous physical strength. It is particularly well suited to layer and slot insulation, coil wrappings, armature end windings, transformer insulation and general sheet insulation use.

Advantages, 1267 Tan

Good abrasion, oil and moisture resistance.

Excellent flexibility.

Suitable for either hand or machine wrapping of straight surfaces.

Maintains good electrical properties over long periods because of good aging characteristics of varnish.

Meets the requirements of MIL-1-3374, Types I and II, Class 2.

Specifications (Typical Values), 1267 Tan

Nominal Thickness (inches)	0.005	0.007	0.010	0.012	0.015
Weight, Approximate (lbs./sq. yd.)	0.24	0.40	0.55	0.65	0.80
① Tensile Strength (lbs./in. of width)	38	45	45	45	45
② Tear Strength (gm)	200	225	275	275	275
③ Breakdown, Average, ¼ in. Dia. Electrodes, Short Time Test (volts/mil)	1150	900	1000	1000	950
Color	Tan, with light paraffin finish. Ends of roll are wax-dipped.				

Standard Core Size, Tape	1 inch ID
Standard Core Size, 36 inch Cloth	2 inch ID

- ① Obtained on a Scott Tester of the dead weight pendulum type.
② Elmendorf Tester.
③ ASTM-D-295.

Ordering Information

Available 36 inches wide in 25, 50 and 100 yard rolls. Also slit into tape widths as required. Specify thickness, width, and length per roll.

Pressure sensitive backing available for cloth and tape, see TD 64-540.

Application

Westinghouse 1268 cloth and tape are thin, flexible cotton fabrics with a fine, straight weave which have been impregnated with an electrical insulating varnish. Straight cut varnished cambric combines in one material the advantages of low cost insulation, high insulating values and tremendous physical strength. It is particularly well suited to layer and slot insulation, coil wrappings, armature end windings, transformer insulation and general sheet insulation use.

Advantages, 1268 Black

Good abrasion and moisture resistance.

Excellent flexibility.

High dielectric strength.

Good aging characteristics, assuring maintenance of electrical properties over long periods.

Meets the requirements of MIL-1-3374, Types I and II, Class 2.

Specifications (Typical Values), 1268 Black

Nominal Thickness (inches).....	0.005	0.007	0.010	0.012	0.015
Weight, Approximate (lbs./sq. yd.) . . .	0.25	0.40	0.55	0.65	0.80
① Tensile Strength (lb./in. of width).....	38	45	45	45	45
② Tear Strength (gm).....	200	225	275	275	275
③ Breakdown, Average, ¼ in. Dia. Electrodes, Short Time Test (volts/mil) . . .	900	1100	1100	1100	1000
Color.....	Black with light oil finish				
Standard Core Sizes, Tape.....	← 1 inch ID →				
Standard Core Sizes, 36 inch Cloth.....	← 2 inch ID →				

- ① Obtained on a Scott Tester of the dead weight pendulum type.
② Elmendorf Tester.
③ ASTM-D-295.

Ordering Information

Available 36 inches wide in 25, 50 and 100 yard rolls. Also slit into tape widths as required. Specify thickness, width, and length of roll.

Pressure sensitive backing available for cloth and tape, see TD 64-540.

Specify dry or oily finish.