

20-34-1100/Spec T.C., Black, add mylar over V.C. Tape
 Dated 7/1/58 NYCTA

Type: AVA Wire, U/L Approved, 110°C,
 600 Volts, #14AWG thr #8AWG

ES-1112, Rev. 3
 Date: 4/21/76



* Rev. 3 Changes

Size Range:

Conductor: #14AWG thru #8AWG

Solid, 7 strands or flexible stranding, B.C. or T.C as specified.

Insulation for Solid Cond. Wire Only:

A. 30 mils thick (total 2 wraps) V.C. Tape

AWG Size	Tape Size 1st Wrap	Tape Size 2nd Wrap	Overlap of both Tapes Min.
14	1/2 x .007	3/4 x .007	50%
12	4/8 x .007	3/4 x .007	50%
10	1/2 x .010	5/8 x .010	30%
8	5/8 x .010	3/4 x .010	30%

B. 20 mils Thick Wax Impregnated Asbestos:

Insulation for Stranded Cond. Wire Only:

A. 10 mils thick Wax Impregnated Asbestos:

B. 30 mils thick (total 2 wraps) V.C. Tape

AWG Size	Tape Size 1st Wrap	Tape Size 2nd Wrap	Overlap of Both Tapes Min.
14	5/8 x .007	3/4 x .007	50%
12	1/2 x .010	3/4 x .007	30%-1st Tape, 50%-2nd Tape
10	5/8 x .010	3/4 x .010	30%
8 7 str.	3/4 x .010	1 x .010	30%
8 Flex str.	1 x .010	1 x .010	30%

C. 15 mils thick Wax Impregnated Asbestos

Markers: (Identification)

1 Black & 1 White thread under the V.C. Tapes

Spark Test Voltage: 600 Volts all sizes

Asbestos Type: U/L Grade

* Wax Compound: AF Wax #228

Asbestos Braid: U/L Grade Yarn, Size #810, #910, #1010 as required

A. Size AWG	Min. Thickness of Braid
14 thru 10, Sol. or Strd.	40 mils
8 Sol.	40 mils
8 Str.	45 mils

* Finish Over Braid: AF Wax #228

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Solid Conductors - (One Layer Asbestos Insulation)

	Size	Dia. over V.C. Tape	Dia. over Asb.	Approx. Final Dia	Max.
2-34-1060	14 Solid	.124"	.164"	.245"	Max. 265"
	12 Solid	.141"	.181"	.265"	
2-34-1100	10 Solid	.162"	.202"	.285"	Max. 310"
	8 Solid	.189"	.229"	.310"	

7 stranded Conductors - (Two Layers Asbestos Insulation)

Size	Cond. Lay	Dia. over Asb. Inner Layer	Dia. over V.C. Tape	Dia. over Asb. Outer Layer	Approx. Final Dia.
14/7-.0242	1"	.094"	.154"	.184"	.265"
12/7-.0305	1 1/4"	.112"	.172"	.202"	.285"
10/7-.0385	1 1/2"	.136"	.196"	.226"	.305"
8/7-.0486	2"	.166"	.226"	.256"	.345"

Flexible Stranded Conductors - (Two Layers Asbestos Insulation)

Size	Cond. Lay	Dia. over Asb. Inner Layer	Dia. over V.C. Tape	Dia. over Asb. Outer Layer	Approx. Final Dia.
14/41/30	1 1/2"	.096"	.156"	.186"	.265"
12/65/30	1 1/2"	.115"	.175"	.205"	.285"
10/104/30	1 3/4"	.143"	.203"	.233"	.310"
8/133/.0113	2 1/4"	.189"	.249"	.279"	.370"

Marking: Wire to be tagged & labelled as follows:

1. American Insulated Wire Corp.
2. Size AWG Type AVA 600V NEC STD.
3. Month & Year of Mfr. Footage
4. Black & White Mkr. Thrd.
5. "UL" in a circle with the added wording "Listed Asbestos-Varnished Cloth Insul. Wire 855B"

Changed By: R. Brien

Checked By: J. Finnegan

D.C. Check: G. Polif