



Tiger Brand High Temperature



TB1-102 HIGH TEMPERATURE

Type AVA Power Cable Table E

Single Conductor 600 VOLTS

Date Issued: June 1972

Applications:

For use in open or conduit general power wiring around ovens, furnaces, tenter frames, boiler rooms, steel mills, on electric ranges, or for any similar power application where the insulation may be subjected to heat, heat and moisture, oil, grease, corrosive fumes or fire hazard.

For use as switchboard wiring where an asbestos braid is preferred.

This cable can withstand continuous high temperature without deterioration and has sufficient moisture-repelling properties to meet normal moisture conditions due to condensation in conduit installations. If parts of a circuit are liable to be submerged in water for long periods, however, lead sheathed AVL cables (Table EL) should be utilized.

Conductor Temperature

110°C (230°F)

Specifications:

Copper Conductor—Annealed uncoated

Insulation—Asbestos

Varnish cambric

Outer Covering—Asbestos braid

Finish—Black FHM (flame, heat, and moisture-resistant) compound

This product is manufactured and tested in accordance with Underwriters' Laboratories requirements and conforms to IPCEA Pub. S-28-357 where applicable.



Size AWG or MCM	Number of Strands	Insulation Thickness Mils			Asbestos Braid Thickness Mils	Approx. Outer Diameter Inches	Approx. Net Weight lbs. per 1,000 Ft.	Standard Packing
		Inner Asbestos	V.C.	2nd Asbestos				
14	7	10	30	15	40	.26	45	500' Coil
12	7	10	30	15	40	.28	55	500' Coil
10	7	10	30	15	40	.31	72	500' Coil
8	7	10	30	15	45	.35	96	500' Coil
6	7	15	30	20	45	.40	141	1000' Reel
4	7	15	30	20	45	.45	199	1000' Reel
2	7	15	30	20	45	.51	288	1000' Reel
1	19	20	30	30	45	.58	369	1000' Reel
1/0	19	20	30	30	45	.62	447	1000' Reel
2/0	19	20	30	30	45	.67	547	1000' Reel
3/0	19	20	30	30	45	.72	666	1000' Reel
4/0	19	20	30	30	45	.78	816	1000' Reel
250	37	25	40	40	45	.88	986	500' Reel
300	37	25	40	40	45	.93	1150	500' Reel
350	37	25	40	40	45	.98	1320	500' Reel
400	37	25	40	40	45	1.03	1490	500' Reel
500	37	25	40	40	45	1.11	1830	500' Reel
600	61	30	40	40	45	1.20	2170	500' Reel
750	61	30	40	40	45	1.31	2670	500' Reel
1000	61	30	40	40	45	1.46	3490	500' Reel

① Diameter subject to +5% tolerance. For ampacities refer to Page TB1-801.
For conduit sizes refer to Page TB1-802.

Cable identification via Surface Legend showing "U.S.S. Corp. Tiger Brand UL Type AVA (size) 600 Volts Table E"

ARCHITECTS/ENGINEERS

How to specify this product for purchasing purposes:

"Cable shall be U.S. Steel Tiger Brand TB1-102 or approved equal"

U.S.S. AND TIGER BRAND ARE REGISTERED TRADEMARKS.





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