



Tiger Brand High Temperature



TB1-108 HIGH TEMPERATURE

Type AVA
Power Cable
Table H

Single Conductor
5,000 VOLTS

Date Issued: June 1972

Applications:

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

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				
10	7	15	120	25	45	.53	149	1000' Reel
8	7	15	120	25	45	.56	180	1000' Reel
6	7	15	120	25	45	.59	227	1000' Reel
4	7	15	120	25	45	.64	290	1000' Reel
2	7	15	120	25	45	.70	392	1000' Reel
1	19	20	120	30	45	.76	474	1000' Reel
1/0	19	20	120	30	45	.80	550	1000' Reel
2/0	19	20	120	30	45	.85	653	1000' Reel
3/0	19	20	120	30	45	.90	782	1000' Reel
4/0	19	20	120	30	45	.96	939	1000' Reel
250	37	25	120	40	45	1.04	1110	500' Reel
300	37	25	120	40	45	1.09	1290	500' Reel
350	37	25	120	40	45	1.14	1460	500' Reel
400	37	25	120	40	45	1.19	1640	500' Reel
500	37	25	120	40	45	1.28	1990	500' Reel
600	61	30	120	40	45	1.36	2340	500' Reel
750	61	30	120	40	45	1.47	2850	500' Reel
1000	61	30	120	40	45	1.62	3690	500' Reel

① Diameter subject to $\pm 5\%$ tolerance. For ampacities refer to Page TB1-801.

Cable Identification via Surface Legend showing "U.S.S. Corp. Tiger Brand UL Type AVA (size) 5000 Volts Table H"

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



ARCHITECTS/ENGINEERS

How to specify this product for purchasing purposes:

"Cable shall be U. S. Steel Tiger Brand TB1-108 or approved equal"