



Tiger Brand High Temperature



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.

**TB1-105
HIGH TEMPERATURE**

**Type AVA
Power Cable
Table EM**

**Single Conductor
1000 VOLTS**

Date Issued: June 1972



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	15	45	25	40	.32	60	500' Coil
12	7	15	45	25	45	.35	71	500' Coil
10	7	15	45	25	45	.38	89	500' Coil
8	7	15	45	25	45	.41	115	500' Coil
6	7	15	45	25	45	.44	156	1000' Reel
4	7	15	45	25	45	.49	217	1000' Reel
2	7	15	45	25	45	.55	308	1000' Reel
1	19	20	45	30	45	.61	382	1000' Reel
1/0	19	20	45	30	45	.65	466	1000' Reel
2/0	19	20	45	30	45	.70	561	1000' Reel
3/0	19	20	45	30	45	.75	685	1000' Reel
4/0	19	20	45	30	45	.81	832	1000' Reel
250	37	25	45	40	45	.89	994	500' Reel
300	37	25	45	40	45	.94	1160	500' Reel
350	37	25	45	40	45	.99	1330	500' Reel
400	37	25	45	40	45	1.04	1500	500' Reel
500	37	25	45	40	45	1.12	1830	500' Reel
600	61	30	45	40	45	1.21	2180	500' Reel
750	61	30	45	40	45	1.32	2680	500' Reel
1000	61	30	45	40	45	1.47	3500	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) 1000 Volts Table EM"

ARCHITECTS/ENGINEERS

How to specify this product for purchasing purposes:

"Cable shall be U. S. Steel Tiger Brand TB1-105 or approved equal"

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

Blumberg No. 8113

PLAINTIFF'S
EXHIBIT

USX-3



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