



Tiger Brand High Temperature



**TB1-103
HIGH TEMPERATURE**

**Type AVA
Apparatus Cable
Table L**

**Single Conductor
600 VOLTS**

Date Corrected: May, 1973

Applications:

For use where a high degree of flexibility is required, as well as the ability to withstand heat, moisture, oil and grease and corrosive fumes. This cable is flameproof, does not carry flame, and does not dry out or become brittle with long-continued exposure to heat.

It is especially suitable for motor and transformer leads in steel mills, boiler houses, and similar hot locations.

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	Stranding		Insulation Thickness Mils			Asbestos Braid Thickness Mils	Ø Approx. Outer Diameter Inches	Approx. Net Weight Lbs. per 1,000 Ft.	Standard Packing
	Number of Strands	Dia. of Strand Inches	Inner Asbestos	V.C.	2nd Asbestos				
14	41	.075	10	30	15	40	.28	43	1000' Coil
12	65	.095	10	30	15	40	.30	54	1000' Coil
10	105	.120	10	30	15	40	.33	71	500' Coil
8	133	.168	10	30	15	45	.38	100	500' Coil
6	133	.212	15	30	20	45	.44	147	1000' Reel
4	133	.266	15	30	20	45	.50	210	1000' Reel
2	133	.335	15	30	20	45	.57	320	1000' Reel
1	259	.378	20	30	30	45	.64	390	1000' Reel
1/0	349	.409	20	30	30	45	.68	455	1000' Reel
2/0	349	.462	20	30	30	45	.73	560	1000' Reel
3/0	475	.521	20	30	30	45	.79	690	1000' Reel
4/0	475	.570	20	30	30	45	.84	832	1000' Reel
250	475	.615	25	40	40	45	.95	1055	500' Reel
300	475	.670	25	40	40	45	1.02	1235	500' Reel
350	475	.730	25	40	40	45	1.06	1405	500' Reel
400	475	.810	25	40	40	45	1.14	1590	500' Reel
500	475	.907	25	40	40	45	1.24	1935	500' Reel
600	427	1.027	30	40	40	45	1.34	2289	500' Reel
750	427	1.134	30	40	40	45	1.45	2794	500' Reel
1000	427	1.295	30	40	40	45	1.67	3628	500' Reel

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

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

ARCHITECTS/ENGINEERS

How to specify this product
for purchasing purposes:

"Cable shall be U. S. Steel
Tiger Brand TB1-103
or approved equal"

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

