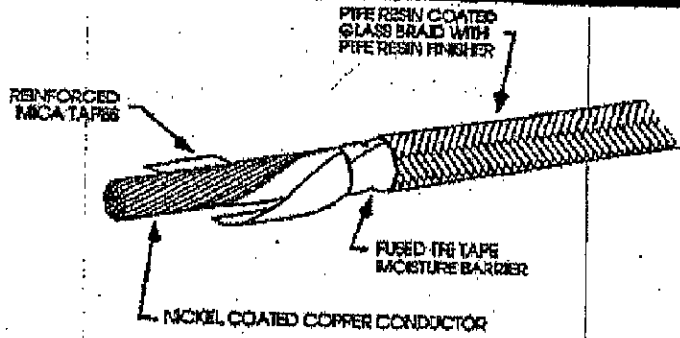


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**TANSTAAFL Electric Cable, Inc.**  
High Temperature Custom Engineered Cables

**HG-399**

Wire, Electrical, High Temperature  
And Fire Resistant, 600 Volt, 250°C-UL, 399°C-NON-UL



**FINISHED WIRE CONSTRUCTION AND PERFORMANCE DETAILS**

**Features:**

- Engineered to exceed the abusive demands of the industrial environments.
- Designed for applications where moisture resistance is required.
- Smaller diameter and lightweight design allow for more circuits to be installed per conduit.
- Ideal for steel, glass, petrochemical and other industrial environments.
- Standard color is white.
- Retains circuit integrity for 60 minutes when subjected to the 2000°F flame test of MIL-W-25038.
- Nickel Coated Copper Conductor, Class C,D,K or H
- Temperature rating of 250°C for UL applications, 399°C for stationary applications.
- \* Stranding based on availability of conductor.

WIRE SIZE		NOMINAL DIAMETER		WEIGHT (MAX)		**AMPACITY
AWG	STRAND	INCHES	MM	LB/1000 FT.	KG/KM	
18	16	0.099	2.51	11	16	23
16	26	0.105	2.67	13	19	40
14*	19	0.119	3.02	18	27	59
12*	37 or 65	0.140	3.56	20	30	78
10*	37 or 105	0.193	5.03	45	67	107
8	133	0.232	5.89	72	107	142
6	133	0.274	6.96	108	161	205
4	133	0.360	9.14	175	260	278
2	133	0.440	11.18	266	396	381
1	259	0.465	11.81	319	475	440
0	259	0.530	13.46	401	597	532
00	259	0.575	14.61	501	745	591
000	259	0.635	16.13	600	893	708
0000	259	0.706	17.93	747	1111	830

\*\* Ampacity based on single conductor in free air, ambient temperature of 40°C (104°F) & conductor at maximum rating. Consult factory for ampacity rating under other installation & operating conditions.

**TANSTAAFL Electric Cable, Inc.**

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