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ATLAS WIRE CORPORATION  
REGISTERED TO ISO9001:2000  
CERTIFICATE NO. A4894

## MATERIAL SPECIFICATION SHEET

**#18 16/30 BARE COPPER .023" PVC**  
**RoHS COMPLIANT**  
**AUTOMOTIVE PRIMARY WIRE**  
**SAE J1128-J378C TYPE GPT 105C**  
**2/CONDUCTOR BONDED**

<b>CONDUCTOR:</b>	#18 16/30 BARE COPPER 1" LAY BUNCHED	
	NOMINAL O.D.	.048"
	APPROXIMATE CIRCULAR MILL AREA	1,600
	WEIGHT PER THOUSAND FEET	5.00#
	BASIC SPECIFICATION	ASTM B 174
<b>PVC:</b>	TEMPERATURE RATING	105c
	ELONGATION	330% AVERAGE
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	91 (A)
	TENSILE STRENGTH	2450 PSI
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	SPARK TESTED	8,000 VOLTS
	NOMINAL FINISHED O.D.	.094"
	WEIGHT PER THOUSAND FEET	8.06#
<b>CABLE:</b>	SPARK TESTED	8,000 VOLTS
	NOMINAL DIMENSIONS	.094" x .188"
	CABLE WEIGHT PER THOUSAND FEET	16.12#
<b>PRINT:</b>	MARINE GPT 18 AWG SAE J378C & SAE J1128	
	105c – 50v.	