



ATLAS WIRE CORPORATION  
9525 RIVER STREET  
SCHILLER PARK, ILLINOIS 60176  
(847) 678-1210  
(847) 678-1281 FAX  
www.atlaswirecorp.com



Atlas Wire Corporation  
Registered to ISO9001 and TS16949  
Schiller Park, IL 60176  
Reference No. 10000854  
Tucson, AZ 85714  
Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

**#18 16/30 BC 1/64" PVC .005 NYLON  
RoHS COMPLIANT**

**MACHINE TOOL WIRE TYPE TFFN 600v GASOLINE & OIL RESISTANT II OR  
AWM STYLE 1316 105c 600v OR AWM 1408 90c 600v OR  
AWM 1452 90c 1,000v VW-1 CSA TEWN 105c 600v FT1**

<b>CONDUCTOR:</b>	#18 16/30 BARE COPPER 1" LAY BUNCHED	
	NOMINAL DIAMETER	.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)	46 (D)
	MINIMUM TENSILE STRENGTH	3500 PSI
	OXYGEN INDEX	30.5
	BRITTLE POINT	-18c
	SPARK TESTED	10,000 VOLTS
<b>NYLON:</b>	ELONGATION	300%
	TENSILE STRENGTH	11,500 PSI AVG
	SPECIFIC GRAVITY	1.13
	FLEX STRENGTH	97
	OVERALL DIAMETER	.090"
	WEIGHT PER M FEET	7.52#
<b>USE:</b>	INTERNAL WIRING OF APPLIANCES, OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO OIL & GASOLINE AT A TEMPERATURE NOT EXCEEDING 60c. UL 1316 – GASOLINE & OIL RESISTANT NOT EXCEEDING 60c UL 1408 – OIL & MOISTURE 60c 2,500v PEAK FOR ELECTRONIC USE ONLY. UL 1452 – 3,500v PEAK FOR ELECTRONIC USE ONLY.	

info@atlaswirecorp.com