



ATLAS WIRE LLC.  
1601 GLENLAKE AVENUE  
ITASCA, IL 60143  
(847) 678-1210  
(847) 678-1281 FAX  
www.atlaswirecorp.com



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

## MATERIAL SPECIFICATION SHEET

**#18 7/0152 TINNED COPPER 1/64" PVC .005 NYLON  
RoHS COMPLIANT  
TFN 600v GASOLINE & OIL RESISTANT II  
AWM STYLES 1316 105c 600v OR AWM STYLE 1408 90c 600v OR  
AWM STYLE 1452 90c 1000v OIL RESISTANT 60c  
CSA AWM I A/B 105c FT-1**

<b>CONDUCTOR:</b>	#18 7/0152 TINNED COPPER 3/4" LAY	
	NOMINAL DIAMETER	.046"
	APPROXIMATE CIRCULAR MILL AREA	1,617
	WEIGHT PER THOUSAND FEET	5.0#
	BASIC SPECIFICATION	ASTM B 8 ASTM B 286
<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	8,500 VOLTS
<b>NYLON:</b>	ELONGATION	300%
	TENSILE STRENGTH	11,500 PSI AVG
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.088"
	WEIGHT PER M FEET	7.45#
<b>USE:</b>	INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO TEMPERATURES NOT EXCEEDING 105c OR WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60c.	