



ATLAS WIRE LLC.  
9525 RIVER STREET  
SCHILLER PARK, ILLINOIS 60176  
(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

#14 19/0147 BC 1/64 PVC .005 NYLON  
RoHS COMPLIANT

MTW OR THHN/THWN-2 600v GASOLINE AND OIL RESISTANT II OR  
AWM STYLE 1452 90c 1000v OR AWM STYLE 1316 105c 600v  
AWM STYLE 1408 90c 600v TYPE T90 NYLON OR TWN75  
CSA AWM 1 A/B 90c 300v FT-1

**CONDUCTOR:** #14 19/0147 BARE COPPER 1" UNILAY  
NOMINAL O.D. .071"  
APPROXIMATE CIRCULAR MILL AREA 4,106  
WEIGHT PER THOUSAND FEET 12.80#  
BASIC SPECIFICATION ASTM B-8  
ASTM B-286

**PVC:** TEMPERATURE RATING 105c  
ELONGATION 330% AVERAGE  
TENSILE STRENGTH 2850 PSI AVERAGE  
SPECIFIC GRAVITY 1.35  
DUROMETER (SHORE) 92 (A)  
OXYGEN INDEX 29  
BRITTLE POINT -25c  
SPARK TESTED 10,000 VOLTS

**NYLON:** ELONGATION 300%  
TENSILE STRENGTH 11,500 PSI  
SPECIFIC GRAVITY 1.13  
OVERALL DIAMETER .113"  
WEIGHT PER M FEET 16.18#

**USE:** INTERNAL WIRING OF APPLIANCES, GASOLINE AND  
OIL RESISTANT.

info@atlaswirecorp.com

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