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

## MATERIAL SPECIFICATION SHEET

**#20 19/32 TINNED COPPER 1/32" PVC**  
**RoHS COMPLIANT**  
**MACHINE TOOL WIRE 600v N.E.C. STANDARD**  
**AWM STYLES 1011,1013,1015,1230,13335 105c-600v OR**  
**AWM STYLE 1032 90c-1,000v VW-1**  
**CSA 150272 TEW OR AWM I A/B 105c-600v FT1 OR CSA TR32 90c**  
**OIL & WATER RESISTANT 75c FT1**

**CONDUCTOR:** #20 19/32 TINNED COPPER COPPER 5/8" UNILAY CONDUCTOR  
NOMINAL O.D. .040"  
APPROXIMATE CIRCULAR MILL AREA 1,201  
WEIGHT PER THOUSAND FEET 3.75#  
BASIC SPECIFICATION ASTM B-8  
ASTM B-286

**PVC:** TEMPERATURE RATING 105c  
VOLTAGE RATING 1,000v  
WALL THICKNESS .031"  
ELONGATION 330% AVERAGE  
TENSILE STRENGTH 2450 PSI AVERAGE  
SPECIFIC GRAVITY 1.32  
DUROMETER (SHORE) 91 (A)  
OXYGEN INDEX 28  
BRITTLE POINT -24c  
COLD BENT -10c  
SPARK TESTED 10,000 VOLTS  
FINISHED OD .102"  
WEIGHT PER THOUSAND FEET 7.91#

**USE:** INTERNAL WIRING OF APPLIANCES; OR INTERNAL WIRING OF  
APPLIANCES WHERE EXPOSED TO OIL AT A TEMPERATURE  
NOT EXCEEDING 60c. CSA MOISTURE & OIL RESISTANT 75c.

UL 1230, 1335 – MOISTURE RATING 60C  
UL 1032 – 3,500V PEAK FOR ELECTRONIC USE ONLY  
UL 1011, 1013,1015, 1335 – 2,500V PEAK FOR ELECTRONIC USE ONLY

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