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

## MATERIAL SPECIFICATION SHEET

**#12 SOLID BC 1/32" PVC  
RoHS COMPLIANT**

**12 AWG. E25635 RU AWM 1015/1230 105C 600V OR  
AWM 1013/1335 90C 600V OR AWM STYLE 1032 90C 1000V VW-1  
CSA 150272 TR-32 90C FT1 OR TEW 105C 600V FT1 OR AWM I A/B 105C 600V  
O W 75C FT-1**

**CONDUCTOR:** #12 SOLID BARE COPPER  
APPROXIMATE NOMINAL O.D. .081"  
APPROXIMATE CIRCULAR MILL AREA 6,529  
WEIGHT PER THOUSAND FEET 20.00#  
BASIC SPECIFICATION ASTM B 33

**PVC:** TEMPERATURE RATING 105c  
VOLTAGE RATING 600 VOLTS  
ELONGATION 330% AVG  
TENSILE STRENGTH 2,450 PSI AVG  
SPECIFIC GRAVITY 1.32  
DUROMETER (SHORE) 91 (A)  
OXYGEN INDEX 28  
BRITTLE POINT -24c  
SPARK TESTED 10,000 VOLTS  
FINISHED O.D. .144"  
WEIGHT PER THOUSAND FEET 26.56#

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

**UL1230,1335 :** MOISTURE RATING 60c.  
**UL1032 :** 3,500v PEAK FOR ELECTRONIC USE ONLY  
**UL 1015, 1013:** 2,500v PEAK FOR ELECTRONIC USE ONLY

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