



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. 10000654  
Tucson, AZ 85714  
Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

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

**AWM STYLES 1015 & 1230 105c-600v  
AWM STYLE 1032 90c-1,000v AWM STYLES 1013/1335 90c-600v  
CSA TEW or AWM 1 A/B 105c-600v or CSA TR-32 90c  
CSA OIL AND WATER RESISTANT 75c FT1**

<b>CONDUCTOR:</b>	#18 SOLID BARE COPPER	
	APPROXIMATE NOMINAL O.D.	.0403"
	APPROXIMATE CIRCULAR MILL AREA	1.624
	WEIGHT PER THOUSAND FEET	4.97#
	BASIC SPECIFICATION	ASTM B 3
<b>PVC:</b>	TEMPERATURE RATING	105c
	VOLTAGE RATING	600 VOLTS
	ELONGATION	330% AVG
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	91 (A)
	TENSILE STRENGTH	2,450 PSI AVG
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	SPARK TESTED	10,000 VOLTS
	FINISHED O.D.	.103"
	WEIGHT PER THOUSAND FEET	9.20#
<b>USE:</b>	INTERNAL WIRING OF APPLIANCES; OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60c.	
<b>UL1230,1335:</b>	MOISTURE RATING 60c.	
<b>UL1032:</b>	3,500v PEAK FOR ELECTRONIC USE ONLY	
<b>UL 1015,1013:</b>	2,500v PEAK FOR ELECTRONIC USE ONLY	

info@atlaswirecorp.com

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