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Registered to ISO9001:2015  
and IATF 16949:2016  
Itasca, IL 60143  
Reference No. 10000854



Atlas Wire, LLC  
Registered to ISO9001:2015  
Tucson, AZ 85714  
Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

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

**UL THERMOPLASTIC INSULATED TYPE TW and THW  
AWM STYLES 1015 & 1230 105c-600v  
CSA TEW or AWM 1 A/B 105c-600v FT1**

<b>CONDUCTOR:</b>	#12 SOLID BARE COPPER	
	APPROXIMATE NOMINAL O.D.	.081"
	APPROXIMATE CIRCULAR MILL AREA	6,529
	WEIGHT PER THOUSAND FEET	20.0#
	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.	.144"
	WEIGHT PER THOUSAND FEET	26.60#
<b>USE:</b>	INTERNAL WIRING OF APPLIANCES; OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60c.	
<b>UL1230:</b>	MOISTURE RATING 60c.	
<b>UL 1015:</b>	2,500v PEAK FOR ELECTRONIC USE ONLY	

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