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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

**#18 16/30 TC 1/32" XLPE**

**RoHS COMPLIANT**

**CROSS LINKED POLYETHYLENE INSULATED**

**UL APPLIANCE WIRE STYLE 3173 125c-600v**

**CSA TYPE CL 1251 600V 125C AWM I - A/B FT2**

<b>CONDUCTOR:</b>	#18 16/30 TC 1" LAY BUNCHED	
	APPROXIMATE NOMINAL O.D.	.048"
	APPROXIMATE CIRCULAR MILL AREA	1,600
	WEIGHT PER THOUSAND FEET	5.00#
	BASIC SPECIFICATION	ASTM B 174

### MOISTURE CURED

### CROSS LINKED POLYETHYLENE:

TEMPERATURE RATING	125c
VOLTAGE RATING	600 VOLTS
SPECIFIC GRAVITY	1.09
DUROMETER INSTANTANEOUS	53 SHORE D
DUROMETER 10 SECOND DELAY	48 SHORE D
TENSILE STRENGTH	2300 PSI AVERAGE
TENSILE ELONGATION AT BREAK	425%
SPARK TESTED	8,000 VOLTS
FINISHED O.D.	.110"
WEIGHT PER THOUSAND FEET	8.71#

**UL 3173 USE:** INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO TEMPERATURES NOT EXCEEDING 125c.