



® **ATLAS WIRE LLC.**

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Atlas Wire, LLC  
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 65/30 TC 1/32" XLPE**  
**RoHS COMPLIANT**  
**CROSS LINKED POLYETHYLENE INSULATED**  
**UL APPLIANCE WIRE STYLE 3321 150c-600v**  
**CSA TYPE CL 1503 600V 150c AWM I - A/B FT2**

**CONDUCTOR:** #12 65/30 TC 1-1/2" LAY BUNCHED  
APPROXIMATE NOMINAL O.D. .095"  
APPROXIMATE CIRCULAR MILL AREA 6,500  
WEIGHT PER THOUSAND FEET 20.40#  
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  
TENISLE ELONGATION AT BREAK 425%  
SPARK TESTED 8,000 VOLTS  
FINISHED O.D. .157"  
WEIGHT PER THOUSAND FEET 26.32#

**UL 3173 USE:** INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO  
TEMPERATURES NOT EXCEEDING 150c.