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Itasca, IL 60143  
Reference No. 10000854



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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 3321 150c-600v**

**CSA TYPE CL 1503 600V 150c 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 150c.