

UNIFIED WIRE & CABLE INC.  
DEKALB, ILLINOIS 60115

**SPECIFICATION SHEET**  
**PN: 819BTHHN-X**  
**8 19X0295BC THHN THWN MTW CSA T90 NYLON FT1**  
**REACH/ROHS COMPLIANT**

**COPPER:** 8 19/0295 BARE COPPER 2" LHL  
BASIC SPECIFICATION ASTM B 8-04  
.144 NOMINAL DIAMETER (INCHES)  
APPROXIMATE CIRCULAR MIL AREA 16,510

**PVC INSULATION:** CLASS 12 PVC  
THHN DRY RATED AT 90C 600 VOLTS  
THWN RATED 90C DRY 75C IN WET LOCATIONS  
.030 MIL MIN AVG WALL THICKNESS .027 MIL MIN AT ANY POINT  
92 DUROMETER SHORE A HARDNESS ASTM D-2240 TEST METHOD  
SPECIFIC GRAVITY 1.35 (+/- .02) ASTM D- 792 TEST METHOD  
TENSILE STRENGTH 2600 ASTM D- 638 TEST METHOD  
ELONGATION % 280 ASTM D- 638 TEST METHOD

**NYLON(POLYAMIDE)** .004 MIN AVG WALL THICKNESS

**FINISHED O.D.:** .215 NOMINAL DIAMETER ( +/- .005)

**PACKAGING:** REELS OR DRUMS

**USAGE AS THHN/THWN** SUITABLE FOR OPERATION AT 600 VOLTS AS SPECIFIED IN THE NATIONAL ELECTRIC CODE AT CONDUCTOR TEMPERATURES NOT TO EXCEED 75 C WHEN EXPOSED TO OIL OR COOLANT. GASOLINE AND OIL RESISTANT II (OIL & GASOLINE RESISTANT TO 75C)

**USAGE AS MTW** AS DEFINED IN THE NATIONAL ELECTRICAL CODE (NEC)