

UNIFIED WIRE & CABLE INC.  
DEKALB, ILLINOIS 60115  
**SPECIFICATION SHEET**  
PN: 1419BTHHN-X

14(19X0147)BC THHN/THWN/MTW/AWM 1316/1452 CSA T90 NYLON FT1  
MEETS UL STANDARD 83 AND UL STANDARD 1063 MTW  
REACH & ROHS COMPLIANT

**COPPER:** 14(19X0147)BARE COPPER 1 1/4" LHL MAXIMUM  
BASIC SPECIFICATION ASTM B 8-04  
.070 NOMINAL DIAMETER (INCHES)  
APPROXIMATE CIRCULAR MIL AREA 4102

**PVC INSULATION:** CLASS 12 PVC, 92 DUROMETER SHORE A  
THERMOPLASTIC INSULATION  
THHN DRY RATED AT 90C 600 VOLTS  
THWN RATED 90C DRY 75C IN WET LOCATIONS, MTW RATED 60C WET  
.015 MIL MIN AVG WALL THICKNESS .013 MIL MIN AT ANY POINT

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

**AMPACITY:** 15 AMPS (AS SPECIFIED IN THE NATIONAL ELECTRICAL CODE)

**FINISHED O.D:** .111 NOMINAL DIAMETER ( +/- .002)

**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 AWM** UL 1316 RATED 105C 600 VOLTS GASOLINE RESISTANT; OIL RESISTANT 60C  
UL 1452 RATED 90C 1000 VOLTS SUITABLE FOR IMMERSION IN GASOLINE;  
IMMERSION IN OIL AT 60C  
INTERNAL WIRING OF APPLIANCES 3500 VOLTS PEAK FOR ELECTRONIC USE ONLY