

# HCF STRANDED— COPPER CONDUCTOR

## COMPACT SIZES #8 #6 AWG

### THHN/THWN ALUMINUM ARMORED

### 600 V (UL) 2 TO 3 CONDUCTOR CONSTRUCTION



**Conductor:**  
Stranded class “B” soft drawn copper.

**Insulation:**  
Thermoplastic high heat resistant nylon coated (THHN) / Thermoplastic heat water resistant nylon coated (THWN). Each insulated conductor is individually wrapped in a fibrous covering.

**Bonding Conductor:**  
One 16 AWG. aluminum conductor in intimate contact with armour along its entirety.

**Ground:**  
For # 8 AWG stranded class “C” soft drawn green insulated copper conductor individually wrapped in a fibrous covering.

For # 6 AWG stranded class “B” soft drawn green insulated copper conductor individually wrapped in a fibrous covering.

**Armor:**  
Aluminum interlocked armour with helically patterned green stripe.

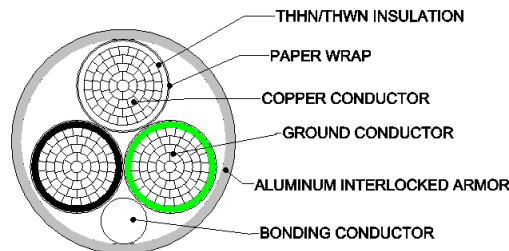
**Color Coding:**  
Standard low and high voltage colors available

**Applications:**  
For feeders and branch circuits in both exposed and concealed installations  
In cable trays  
In dry locations  
Embedded in plaster finish on brick or other masonry, except in damp or wet locations  
To be run or fished in the air voids of masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness  
For use in health care facilities

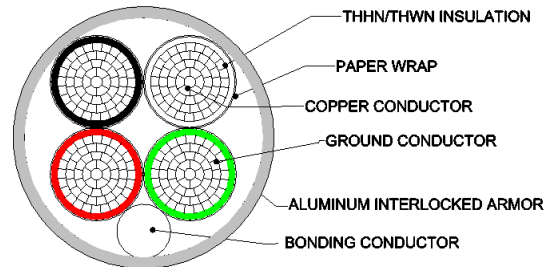
**Features:**  
ACTTH Rated at 90°C dry  
Excellent crush resistance  
Provides long service life  
Cost effective alternative to installations in conduit

**Compliances:**  
Industry compliances: UL 4, RoHS  
Gasoline and oil resistance II

**UL Listing:**  
E208790



BLACK, WHITE, GREEN



BLACK, WHITE, RED, GREEN

PART NO.	NO OF COND.	COND. SIZE (AWG/ kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION THICKNESS	NOMINAL DIAMETER (OVER)		LBS/ 1000'	AMPACITY AT 90° C
					INSULATION	ARMOR		
					INCHES	INCHES		
801703	2	8	10	0.036	0.460	0.697	297	55
800249	2	8	10	0.036	0.550	0.770	347	55
800248	3	6	8	0.036	0.575	0.845	484	75

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16)