

HCF SOLID– COPPER CONDUCTOR

CIRCUIT SIZES #14 #12 #10 AWG/ NEUTRAL PER LEG
THHN/THWN ALUMINUM ARMORED
600 V (UL) 1,1,1 & 2,2,1 CONDUCTOR CONSTRUCTION



Conductor:
Solid 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:
One solid soft drawn green insulated copper conductor individually wrapped in a fibrous covering.

Neutral:
One copper Neutral conductor per phase

Armor:
Aluminum interlocked armor with helically patterned green stripe.

Color Coding:
Standard low and high voltage colors available (see part numbers and description page for actual colors and options)

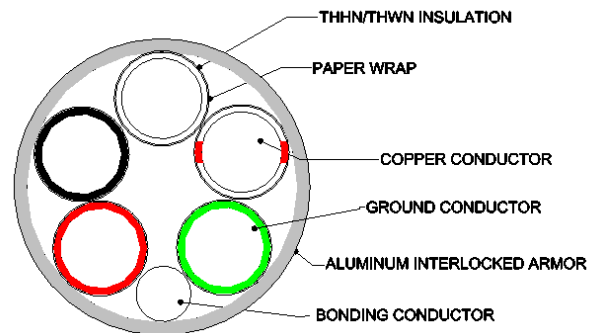
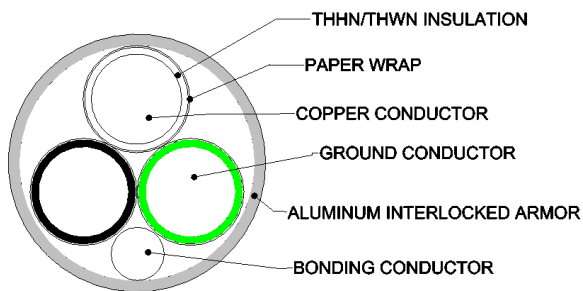
Applications:
For feeders and branch circuits in both exposed and concealed installations
In cable trays
In dry locations
Embedded in plaster finish on brick or other masonry, except in damp or wet locations
To be run or fished in the air voids of masonry block or tile walls where such walls are not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

Features:
ACTHH 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 compliant
Gasoline and oil resistance II

UL Listing:
E208790

(3 conductor shown)



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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		
2	14	14	0.020	0.245	0.460	95	25
2	12	12	0.020	0.279	0.515	126	30
2	10	10	0.025	0.342	0.551	173	40

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

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

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		
4	12	12	0.020	0.351	0.585	183	24
4	10	10	0.025	0.427	0.680	269	32

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16) & table 400.5 (A) (3)