

SIZES #8 AWG THRU #1 AWG

THHN/THWN AIA ARMoured

600 V (UL) 2 CONDUCTOR CONSTRUCTION



(3 conductor shown)

**Conductor:**  
Bare compact stranded class "B" soft drawn copper.

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

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

**Aarmor:**  
Aluminum interlocked armour

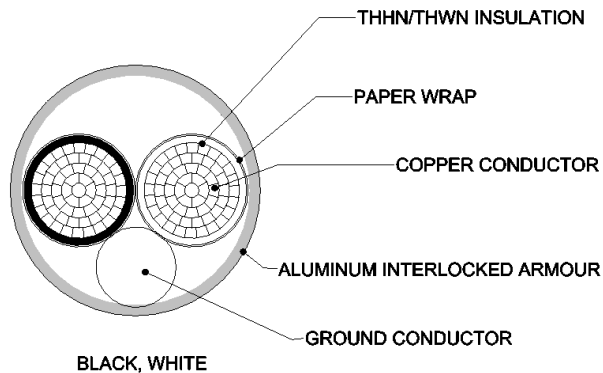
**Color Coding:**  
Standard low and high voltage colors available

**Print:**  
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)  
(UL) TYPE THHN OR THWN 600 VOLTS GASOLINE AND OIL RESISTANT II MADE IN CANADA

**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.

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

**Compliances:**  
Industry compliances: UL 4 and 2556  
Gasoline and oil resistance II



PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION THICKNESS INCHES	NOMINAL DIAMETER (OVER)		LBS/1000'	AMPACITY AT 90° C
					INSULATION INCHES	ARMOR INCHES		
800131	2	8	16	0.036	0.434	0.671	202	25
800128	2	6	16	0.036	0.501	0.771	312	30
800931	2	4	16	0.047	0.672	0.947	457	40
801799	2	3	16	0.047	0.703	0.976	534	25
801800	2	2	16	0.470	0.762	1.052	637	30
801801	2	1	16	0.058	0.890	1.186	791	40

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16) (Three conductors in raceway or conduit)





(3 conductor shown)

**Conductor:**  
Bare compact stranded class "B" soft drawn copper.

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

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

**Armor:**  
Aluminum interlocked armour

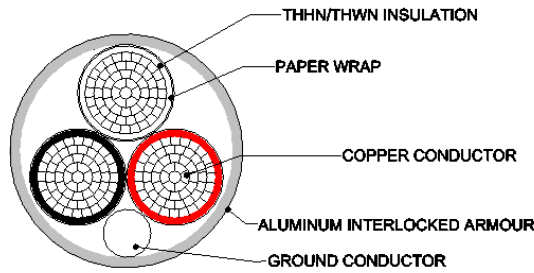
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NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)  
(UL) TYPE THHN OR THWN 600 VOLTS GASOLINE  
AND OIL RESISTANT II MADE IN CANADA

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BLACK, WHITE, RED

PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION INCHES	NOMINAL DIAMETER		LBS/1000'	AMPACITY AT 90° C
					INSULATION INCHES	ARMOR INCHES		
800193	3	8	16	0.036	0.472	0.715	270	25
800183	3	6	16	0.036	0.545	0.821	415	30
800171	3	4	16	0.047	0.696	0.946	607	40
800164	3	3	16	0.047	0.752	1.025	730	25
800159	3	2	16	0.470	0.815	1.105	879	30
800754	3	1	16	0.058	0.951	1.247	1099	40

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16) (Three conductors in raceway or conduit)

SIZES #8 AWG THRU #1 AWG

THHN/THWN AIA ARMoured

600 V (UL) 4 CONDUCTOR CONSTRUCTION



(3 conductor shown)

**Conductor:**  
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**Armor:**  
Aluminum interlocked armour

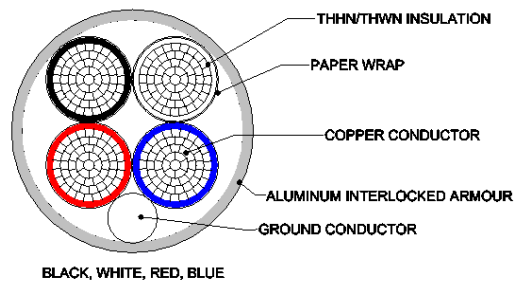
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**Print:**  
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)  
(UL) TYPE THHN OR THWN 600 VOLTS GASOLINE AND OIL RESISTANT II MADE IN CANADA

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					INSULATION INCHES	ARMOR INCHES		
800228	4	8	16	0.036	0.527	0.800	376	20
800225	4	6	16	0.036	0.612	0.880	521	24
800220	4	4	16	0.047	0.778	1.075	782	32
800216	4	3	16	0.047	0.845	1.115	933	20
800208	4	2	16	0.470	0.925	1.220	1132	24
801802	4	1	16	0.058	1.057	1.353	1415	32

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16) (Three conductors in raceway or conduit) & table 400.5 (A) (3) (Ampacity correction factors)

