



**Conductor:**  
Bare solid soft drawn copper

**Insulation:**  
Thermoplastic high heat resistant nylon coated (THHN) / Thermoplastic high water resistant nylon coated (THWN)

**Neutral Conductor:**  
1 solid insulated copper conductor. Or compact stranded

**Bonding Conductor (Ground):**  
1 solid insulated copper conductors

**Armor:**  
Aluminum interlocked armour

**Color Coding:**  
Standard low and high voltage colors available (please see part tables for actual colors and options)  
Other colors available on request

**Binder Tape:**  
Printed Polypropylene

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

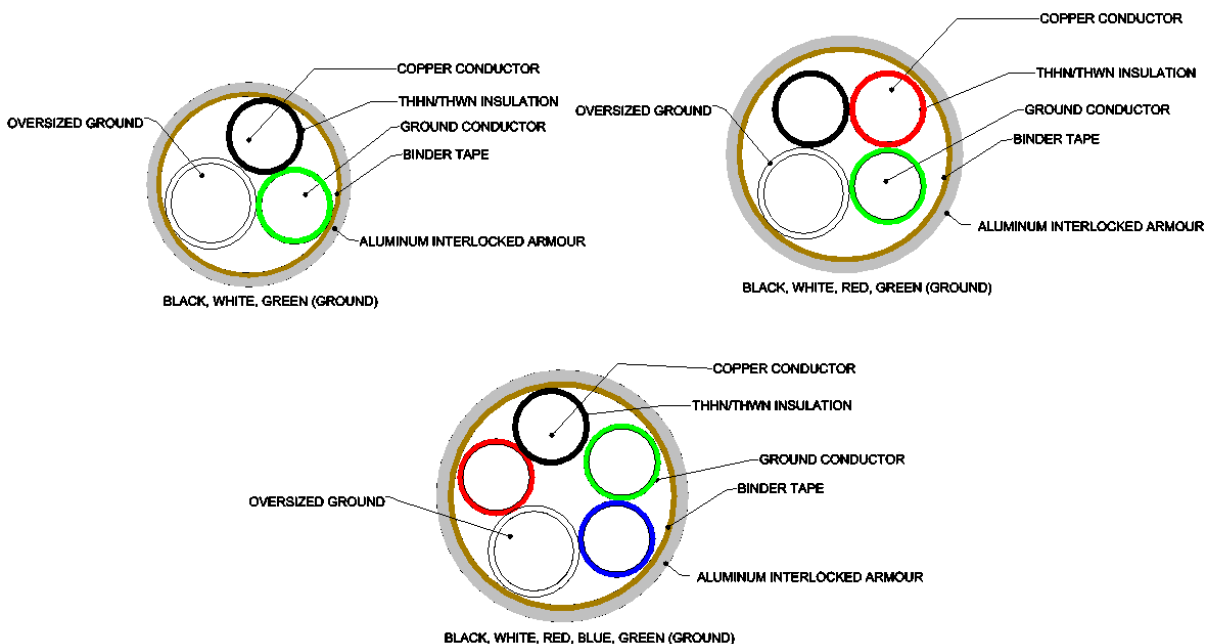
**Applications:**  
For installations where excess neutral capacity is required.  
For concealed wiring in dry locations.  
For exposed wiring in dry locations.  
For branch and feeder and service circuits in commercial, industrial, multi-residential buildings, and places of assembly.  
For power, lighting, control, and signal circuits.  
For use in cable trays in dry locations.  
For use in any raceway.  
For use as aerial cable on a messenger.  
When embedded in plaster finish on brick or other masonry, except in damp or wet locations.  
For use when 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.  
Class 1 Division 2, Class 2 Division 2 Hazardous Locations.

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

**Compliances:**  
Industry compliances: UL 1569, 2556, 83  
Gasoline and oil resistance II  
UL through penetration fire stop systems: C-AJ-3147, C-AJ-3148, C-AJ-3149, FC-3041, FC-3042, WJ-3041, WL 3123, WL-3125, WL-3126, WL-3127, WL-3128

(3 conductor. Solid construction shown)

### CONSTRUCTION:



SIZE: #12 CONDUCTOR

PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	NEUTRAL SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION & NYLON THICKNESS*	NOMINAL DIAMETER (OVER)		LBS/1000'	
						INSULATION	ARMOR		
						INCHES	INCHES	INCHES	
800883	2	12	10	12	0.020	0.291	0.486	82	
800579	3	12	10	12	0.020	0.337	0.517	106	
800531	4	12	10	12	0.020	0.372	0.544	196	
801112	4	12	8	12	0.020	0.446	0.626	249	

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

\* INSULATION THICKNESSES ARE SHOWN FOR PHASE CONDUCTORS, INSULATION THICKNESS FOR NEUTRAL #10 = 0.025 ,#8 = 0.036

SIZE: #10 CONDUCTOR

PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	NEUTRAL SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION & NYLON THICKNESS*	NOMINAL DIAMETER (OVER)		LBS/1000'	
						INSULATION	ARMOR		
						INCHES	INCHES	INCHES	
801684	3	10	6	10	0.025	0.477	0.697	334	
800606	4	10	8	10	0.025	0.434	0.622	290	

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

\* INSULATION THICKNESSES ARE SHOWN FOR PHASE CONDUCTORS, INSULATION THICKNESS FOR NEUTRAL #8 = 0.036 ,#6 = 0.036"