



**Conductor:**  
Bare stranded class "C" soft drawn copper

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

**Bonding Conductor (Ground):**  
1 s stranded class "C" insulated copper conductor (Green)

**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

**UL Listing**  
E189204

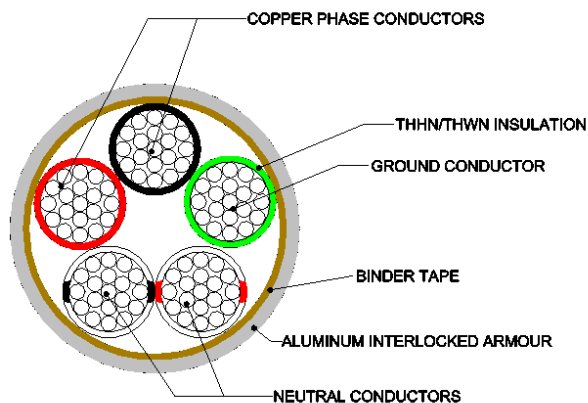
**Applications:**  
For installations where excess neutral capacity is required  
For concealed wiring in dry locations  
For exposed wiring in dry locations.  
For branch and feeder and service circuits in commercial, industrial, multi-residential buildings, and places of assembly.  
For power, lighting, 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, 2256, 83  
Gasoline and oil resistance II  
UL trough 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

(6 conductor, Double ground, Solid construction shown)

### CONSTRUCTION:



2 PHASE CONDUCTORS SHOWN

#### SIZE: #12 CONDUCTOR

PART NO.	NO OF COND.	NO. OF GROUNDS	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. NYLON & INSULATION THICKNESS	NOMINAL DIAMETER (OVER)		LBS/ 1000'	AMPACITY AT 90° C	INSULATION COLORS
					TWISTED CORE	ARMOR			
					INCHES	INCHES			
800356	4	1	12	0.020	0.341	0.530	233	24	Blk,Rd, Wht/Blk Wht/Rd, Grn
800868	6	1	12	0.020	0.377	0.566	289	24	Blk,Rd,Be Wht/Blk Wht/Rd, Wht/Be,Grn
801601	8	1	12	0.020	0.452	0.641	356	21	Blk,Rd,Be,Pk Wht/Blk,Wht/Rd, Wht/Be ,Wht/Pk Grn
800809	10	1	12	0.020	0.498	0.687	415	15	Blk,Rd,Be,Pk,Pl Wht/Blk,Wht/Rd, Wht/Be ,Wht/Pk Wht/Pl ,Grn
801438	12	1	12	0.020	0.547	0.736	475	15	Blk,Rd,Be, Blk/Ylw,Rd/Ylw, Be/Ywl,Blk/Wht, Rd/Wht, Be/Wht Grn

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

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

#### SIZE: #10 CONDUCTOR

PART NO.	NO OF COND.	NO. OF GROUNDS	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. NYLON & INSULATION THICKNESS	NOMINAL DIAMETER (OVER)		LBS/ 1000'	AMPACITY AT 90° C	INSULATION COLORS
					TWISTED CORE	ARMOR			
					INCHES	INCHES			
800651	4	1	10	0.025	0.434	0.680	263	32	Blk,Rd, Wht/Blk Wht/Rd, Grn
800653	6	1	10	0.025	0.481	0.727	345	32	Blk,Rd,Be Wht/Blk Wht/Rd, Wht/Be,Grn
801655	8	1	10	0.025	0.579	0.825	433	28	Blk,Rd,Be,Pk Wht/Blk,Wht/Rd, Wht/Be ,Wht/Pk Grn
801090	10	1	10	0.025	0.639	0.885	517	20	Number code
801091	12	1	10	0.025	0.704	0.950	568	20	Number code

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