



**COLONIAL WIRE & CABLE CO.**  
**OF NEW JERSEY, INC.**  
WWW.COLONIALWIRENJ.COM  
T: (732) 287-1557 F: (732) 287-1586



## **MTW / THHN / THWN-2 / AWM / T90 600 VOLT COPPER BUILDING WIRE**

### SPECIFICATIONS:

- UL FILE #E150946 - AWM
- UL FILE #E148891 - MTW - STRANDED WIRE
- UL FILE #E15327 - THWN-2 - SOLID WIRE
- UNDERWRITERS LABORATORIES (UL) STANDARDS;
  - UL 83 - THHN/THWN-2 - THERMOPLASTIC INSULATED WIRES AND CABLES (ZLGR)
  - UL 1063 - MTW - MACHINE TOOL WIRES AND CABLES (ZKHZ)
  - UL 758 - AWM - APPLIANCE WIRING MATERIAL (AVLV2)
- CANADIAN STANDARDS ASSOCIATION (C UL) C22.2 NO. 75
- NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION) WC70 / ICEA S-95-658
  - POWER CABLES 2000 VOLTS OR LESS FOR DISTRIBUTION OF ELECTRICAL ENERGY
- FEDERAL SPECIFICATION A-A-59544 - SPECIFICATION OF ELECTRICAL WIRE & CABLES
- ASTM STANDARDS (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
  - B3 - SOFT OR ANNEALED COPPER WIRE
  - B8 - CONCENTRIC LAY STRANDED COPPER CONDUCTORS
  - B787 - 19 WIRE COMBINATION UNILAY STRANDED COPPER CONDUCTOR
- NFPA 70 - NATIONAL ELECTRICAL CODE
- AWM SPECIFICATIONS
- ARRA (AMERICAN RECOVERY & REINVESTMENT ACT) OF 2009 SECTION 1605 'MADE IN USA' COMPLIANT
- ROHS COMPLIANT
- NO LEAD
  
- VW-1 (VERTICAL WIRE FLAME TEST) ALL SIZES
- SR (SUNLIGHT RESISTANT) SIZES 6/19 AWG THROUGH 1000 KCMIL
- GR II (75 DEG GASOLINE AND OIL RESISTANT II) ALL SIZES
- CT (FOR USE IN CABLE TRAYS) 1/0 AWG THROUGH 1000 KCMIL
- FT1 (FT-1 VERTICAL FLAME TEST)
- (-2) = INSULATION FOR USE IN WET & DRY LOCATIONS TO 90 DEGREE CELSIUS
- AWM 105 DEGREE CELSIUS

### CONSTRUCTION:

- THWN-2 (4/0 & LARGER) IS MANUFACTURED FOR EASE OF INSTALLATION WITH NO ADDITIVES NEEDED
- SOFT/ANNEALED COPPER INSULATED WITH HEAT AND MOISTURE RESISTANT POLYVINYL CHLORIDE (PVC) WITH A NYLON (POLYAMIDE) JACKET
- FOR USE IN ACCORDANCE WITH NFPA 70 (NATIONAL FIRE PROTECTION ASSOC.) NEC (NATIONAL ELECTRIC CODE) ARTICLE 310 - CONDUCTORS FOR GENERAL WIRING
- AVAILABLE IN SIZES 14 AWG THROUGH 1000 KCMIL
- COLORS : BLACK, WHITE, RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, GREY, PINK & PURPLE



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## THWN-2 REEL PUT UPS

SIZE	500'	1000'	2500'	MASTERS	MSTR FTG
18/16	4.5	-	12	-	2500'
16/19	4.5	-	12	-	2500'
14/1	4.5	-	12	-	2500'
12/1	4.5	-	12	-	2500'
10/1	8	-	14	-	2500'
14/19	4.5	-	12	-	2500'
12/19	4.5	-	12	-	2500'
10/19	8	-	14	-	2500'
8/19	12	12	20	24	5000'
6/19	12	14	20	27	5000'
4/19	14	16	27	30x24	5000'
3/19	14	16	27	30x24	5000'
2/19	14	20	30x12	30x24	5000'
1/19	20	24	30x12	36	5000'
1/0	20	24	30x24	36	5000'
2/0	20	24	30x24	36	5000'
3/0	20	27	30x24	42	5000'
4/0	24	30x12	36	42	5000'
250 KCMIL	27	30x24	36	42	4000'
300 KCMIL	27	30x24	42	42	2500'
350 KCMIL	27	30x24	42	42	2500'
400 KCMIL	30x12	30x24	42	42	2500'
500 KCMIL	30x24	36	48	-	2500'
600 KCMIL	30x24	36	-	48	2000'
750 KCMIL	30x24	42	-	48	1500'
1000 KCMIL	30x24	48	-	-	1000'
	<u>PLASTIC</u>	<u>PLYWOOD</u>	<u>NAILED WOOD</u>		
	6.5 x 4.5 x 2.25	12 x 9 x 5	30 x 24 x 14		
	6.5 x 8 x 2.25	14 x 10.5 x 5	36 x 24 x 16		
	10.5 x 9 x 5	16 x 12 x 5	42 x 26 x 16		
	12 x 9 x 5	20 x 12 x 10	48 x 26 x 16		
	14 x 10.5 x 5	24 x 12 x 12	54 x 32 x 28		
	16 x 12 x 5	27 x 12 x 12			
		30 x 12 x 12			