



**NWI EXPRESS**  
5 Days Design to Deliver

**FEATURES:**

- Signal
- Control
- Power

**BENEFITS:**

- UL listed and approved for CE Mark
- Compliant to ANSI, NEC®, NFPA, RoHS2 and REACH standards
- Wide temperature range from -25°C to 75°C
- Extreme cold bend flex to -25°C
- Wet location use
- Flame resistant
- Environmentally-friendly rodent aversion options available

- Resistant to chemical, UV and water
- Composite and custom options available
- Over-mold and assembly compatible

**DYNAMIC RANGE OF USE:**

- Water management systems
- Central pivot, liners and lateral irrigation machines

	TFN & TFFN	THWN & THWN-2
<b>INSULATED CONDUCTORS</b>		
Conductor Count	1 or more	1 or more
AWG (mm2)	18 - 16 (.75 - 1.5)	14 - 6 (2.5 - 16)
Stranding - Minimum and Maximum Diameter of individual strands AWG in inches (mm)	18 .005 - .0159 (.127 - .404)	—
	16 .005 - .0159 (.127 - .404)	—
	—	14 .0063 - .0253 (.160 - .643)
	—	12 .010 - .032 (.250 - .813)
	—	10 .010 - .0385 (.250 - .978)
—	8 .0201 - .0508 (.510 - 1.29)	
—	6 .0201 - .064 (.510 - 1.626)	
Material	PVC/Nylon	PVC/Nylon
Minimum Wall Thickness AWG in inches (mm)	18 .015 / .004 (.381 / .102)	—
	16 .015 / .004 (.381 / .102)	—
	—	14 .015 / .004 (.381 / .102)
	—	12 .015 / .004 (.381 / .102)
	—	10 .020 / .004 (.508 / .102)
—	8 .030 / .005 (.762 / .127)	
—	6 .030 / .005 (.762 / .127)	
<b>OVERALL CABLING</b>		
Fillers	★	★
Ground	★	★
Shielding	★	★
Wraps	★	★
Strength Members	★	★
<b>JACKET</b>		
Material	PVC	PVC
Color	★	★
Inner jacket wall thickness based on core diameter inches (mm) (required for direct burial)	≤ .700, .030	(19.05, .762)
	.701-1.499, .045	(17.81-38.07, 1.143)
	1.500-2.500, .060	(38.1-63.5, 1.52)
Outer jacket wall thickness based on core diameter inches (mm)	≤ .750, .050	(19.05, 1.27)
	.751-1.000, .060	(19.08 - 25.37, 1.52)
	1.001-1.500, .080	(25.38 - 38.1, 2.03)
<b>ELECTRICAL</b>		
Max. Operating Voltage - UL	600V	600V
DC Resistance Max	Reference UL 66	Reference UL 66
DC Resistance Nominal	See Chart C, Page 166	See Chart C, Page 166
Ampacity	NFPA 70	NFPA 70

**FLEX:**



**EXTREME ENGINEERING:**

