



**NWI EXPRESS**  
5 Days Design to Deliver

**FEATURES:**

- Control
- Power

**BENEFITS:**

- UL listed and approved for CE Mark
- Compliant to ANSI, IEEE, NEC®, NFPA, RoHS2 and REACH standards
- Hybrid, composite and custom options available
- Over-mold and assembly compatible
- Retractable options available
- Suitable for use in Class I, Div 2 areas
- Versatile

**DYNAMIC RANGE OF USE:**

- Engineered for rugged industrial applications
- Refineries, robotics and power generation sets
- Exposed run, cold bend and cold impact resistant
- Crush, impact and flame resistant
- Water, oil I and II, chemical, sunlight and weld slag resistant

	TW, THW, THW-2, THHW	THWN, THWN-2, THHN	TF, TFF	TFN, TFFN
<b>INSULATED CONDUCTORS</b>				
Conductor Count	2 or more	2 or more	2 or more	2 or more
AWG (mm2)	14 - 12 (2.08 - 3.31) 10 (5.26) 8 (8.37) 6 (13.3)	14 - 12 (2.08 - 3.31) 10 (5.26) 8 (8.37) 6 (13.3)	18 - 16 (0.824 - 1.31)	18 - 16 (0.824 - 1.31)
Stranding - Minimum and Maximum Diameter of individual strands AWG in inches (mm)	14 .0063 - .0253 (.160 - .643) 12 .010 - .032 (.254 - .813) 10 .010 - .0385 (.254 - .978) 8 .0201 - .0508 (.510 - 1.29) 6 .0201 - .0640 (.510 - 1.626)	14 .0063 - .0253 (.160 - .643) 12 .010 - .032 (.254 - .813) 10 .010 - .0385 (.254 - .978) 8 .0201 - .0508 (.510 - 1.29) 6 .0201 - .0640 (.510 - 1.626)	18 - 16 .005 - .0159 (.127 - .404)	18 - 16 .005 - .0159 (.127 - .404)
Material	PVC	PVC/Nylon	PVC	PVC/Nylon
Minimum Wall Thickness inches (mm)	.030 (0.762) .030 (0.762) .045 (1.143) .060 (1.524)	.015 / .004 (0.381 / 0.102) .020 / .004 (0.508 / .0102) .030 / .005 (0.762 / 0.127) .030 / .005 (0.762 / 0.127)	.030 (0.762)	.015 / .004 (0.381 / 0.102)
<b>OVERALL CABLING</b>				
Fillers	★	★	★	★
Ground	★	★	★	★
Shielding	★	★	★	★
Wraps	★	★	★	★
Strength Members	★	★	★	★
<b>OUTER JACKET</b>				
Material	PVC,TPE	PVC,TPE	PVC,TPE	PVC,TPE
Color	★	★	★	★
Jacket wall thickness based on core diameter inches (mm)	0 - .425, .045 (0 - 10.80, 1.14) .426 - .700, .060 (10.81 - 17.78, 1.52) .701 - 1.500, .080 (17.78 - 38.10, 2.03) 1.50 - 2.500, .110 (38.10 - 63.50, 2.79) ≥ 2.501, .140 (63.50, 3.56)	0 - .425, .045 (0 - 10.80, 1.14) .426 - .700, .060 (10.81 - 17.78, 1.52) .701 - 1.500, .080 (17.78 - 38.10, 2.03) 1.50 - 2.500, .110 (38.10 - 63.50, 2.79) ≥ 2.501, .140 (63.50, 3.56)	0 - .425, .045 (0 - 10.80, 1.14) .426 - .700, .060 (10.81 - 17.78, 1.52) .701 - 1.500, .080 (17.78 - 38.10, 2.03) 1.50 - 2.500, .110 (38.10 - 63.50, 2.79) ≥ 2.501, .140 (63.50, 3.56)	0 - .425, .045 (0 - 10.80, 1.14) .426 - .700, .060 (10.81 - 17.78, 1.52) .701 - 1.500, .080 (17.78 - 38.10, 2.03) 1.50 - 2.500, .110 (38.10 - 63.50, 2.79) ≥ 2.501, .140 (63.50, 3.56)
<b>ELECTRICAL</b>				
Max. Operating Voltage - UL	600V	600V	600V	600V
DC Resistance Max	Reference UL 83	Reference UL 83	Reference UL 66	Reference UL 66
DC Resistance Nominal	See Chart C, Page 166	See Chart C, Page 166	See Chart C, Page 166	See Chart C, Page 166
Ampacity	See Chart A, Page 165	See Chart A, Page 165	See Chart A, Page 165	See Chart A, Page 165

**FLEX:**



**EXTREME ENGINEERING:**



Products  
AGENCY STANDARDS