



NWI EXPRESS
5 Days Design to Deliver

FEATURES:

- Signal
- Control
- Instrumentation
- Power

BENEFITS:

- UL 1569 listed and approved for CE Mark
- Compliant to ANSI, NEC®, NFPA, RoHS2 and REACH standards
- Hybrid, composite and custom options available
- Engineered for rugged applications
- Resistant to cold bend
- Crush and impact resistant
- Resistant to water, oil I and II, chemical, sunlight and weld slag
- Versatile - suitable for use in Class I, Div 2 areas

DYNAMIC RANGE OF USE

- For power, lighting, control and signal circuits
- Indoors, exposed or concealed
- Outdoors or in wet locations where the armor has an overall outer, moisture resistant PVC jacket and the conductors are wet rated
- Interconnectivity and connectivity
- In cable tray or as exposed run
- In locations classified as hazardous as permitted in NEC® Articles 501, 502, 503, 504, and 505

	TFN, TFFN	THWN, THWN-2, THHN
INSULATED CONDUCTORS		
Conductor Count	2 or more	2 or more
AWG (mm2)	18 - 16 (0.824 - 1.31)*	14 - 12 (2.08 - 3.31)* 10 (5.26) 8 (8.37) 6 (13.3)
Stranding - Minimum and Maximum Diameter of individual strands AWG in inches (mm)	18 - 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 - .0640 (.510 - 1.626)
Material	PVC/Nylon	PVC/Nylon
Minimum Wall Thickness AWG in inches (mm)	.015 / .004 (0.381 / 0.102)	14-12 .015 / .004 (0.38 / 0.10) 10 .020 / .005 (0.51 / 0.13) 8-6 .030 / .005 (0.76 / 0.13) 4-2 .040 / .006 (0.102 / 0.15)
OVERALL CABLING		
Fillers	★	★
Shielding	★	★
Interlock Armoring	✓	✓
Wraps	★	★
Strength Members	★	★
OUTER JACKET		
Material	PVC	
Color	★	
Overall OD inches (mm) Thicknesses of jacket under or over the armor	0 - .425, .040 (0 - 10.80, 1.02) .426 - 1.500, .050 (10.81 - 38.10, 1.27) 1.500 - 2.250, .060 (38.10 - 57.15, 1.52)	
ELECTRICAL		
Max. Operating Voltage - UL	600V	
DC Resistance Max	Reference UL 83	
DC Resistance Nominal	See Chart C, Page 166	
Ampacity	18-16 AWG Article 402.5 14 AWG and larger 310.15 or 310.60	

* Mixing of AWG sizes is permitted

EXTREME ENGINEERING:



Products

AGENCY STANDARDS