



NWI EXPRESS
5 Days Design to Deliver

FEATURES

- Power

BENEFITS:

- UL listed and approved for CE Mark
- Compliant to U.S. Coast Guard and American Bureau of Shipping regulations
- Compliant to ANSI, NEC®, NFPA, RoHS2 and REACH standards
- Composite and custom options available
- Available in flat, round and oval shapes
- Over-mold and assembly compatible
- Retractable options available

DYNAMIC RANGE OF USE:

- Marine pleasure craft
- Extremely flexible across wide temperature range
- Engineered for extreme cold bend
- Flame resistant
- Water and oil I resistant

	TW, THW, THW-2, THHW	THWN, THWN-2, THHN
INSULATED CONDUCTORS		
Conductor Count	2 - 4 Flat Cable only, 2 or more for multi-conductor round	2 - 4 Flat Cable only, 2 or more for multi-conductor round
AWG (mm2)	18-2 (0.824 - 33.6)	18-2 (0.824 - 33.6)
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 - .064 (.510 - 1.626) 4 .0469 - .0772 (1.191 - 1.961) 2 .0591 - .0974 (1.501 - 2.4740)	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 - .064 (.510 - 1.626) 4 .0469 - .0772 (1.191 - 1.961) 2 .0591 - .0974 (1.501 - 2.4740)
Material	PVC	PVC/Nylon
Minimum Wall Thickness AWG in inches (mm)	18-10 .030 (0.76) 8 .045 (1.14) 6-2 .060 (1.52)	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 (01.02 / 0.15)
OVERALL CABLING		
Fillers	★	★
Grounds	★	★
Shielding	★	★
Armoring	★	★
Wraps	★	★
Strength Members	★	★
OUTER JACKET		
Material	PVC	PVC
Color	★	★
Overall OD inches (mm)	Dependent on AWG size and conductor count	Dependent on AWG size and conductor count
ELECTRICAL		
Max. Operating Voltage - UL	600V	600V
DC Resistance Max	Reference UL 83 or 66	Reference UL 83 or 66
DC Resistance Nominal	See Chart C, Page 166	See Chart C, Page 166
Ampacity	Per U.S. Coast Guard regulations Title 33 Chapter 1 Part 183.430 and 183.435 of the CFR	Per U.S. Coast Guard regulations Title 33 Chapter 1 Part 183.430 and 183.435 of the CFR

FLEX:



EXTREME ENGINEERING:

