



NWI EXPRESS
5 Days Design to Deliver

FEATURES:

- Signal
- Control
- Instrumentation
- Power

BENEFITS:

- UL 62 listed and CSA certified
- Compliant to ANSI, NEC®, RoHS2 and REACH standards
- Free of PVC, halogen donors, phthalates, bromine, chlorine and silicone and more
- Flame resistant and household chemical resistant
- Exceptional visual and tactile aesthetics
- Superior flexibility and resistance to kinks, mars and abrasion
- Lower coefficient of friction for easier installation

- Composite and custom options
- Over-mold and assembly compatible
- Retractable applications

DYNAMIC RANGE OF USE:

- Cables, power cords and retractiles
- Medical devices
- Computer and consumer electronics
- Aerospace
- Marine shipboard
- High speed rail transportation

	ecoPOWER™ SJE PVC Free & HFFR	ecoPOWER™ SE PVC Free & HFFR	LSZH Low Smoke Zero Halogen	HFFR Halogen Free Flame Retardant
INSULATED CONDUCTORS				
Conductor Count	2-6*	2 or more	2 or more conductors	2 or more conductors
AWG (mm2)	18-10 (.824 - 5.26)	18-2 (.824 - 33.6)	22-10 (.325 - 5.26)	22-2 (.325 - 33.6)
Stranding - Minimum and Maximum Diameter of individual strands AWG in inches (mm)	≤14 .0049 - .010 (.125 - .254)	≤14 .0049 - .010 (.125 - .254)	≤14 .0049 - .010 (.125 - .254)	≤14 .0049 - .010 (.125 - .254)
	≥12 .0049 - .016 (.125 - .406)	≥12 .0049 - .016 (.125 - .406)	≥12 .0049 - .016 (.125 - .406)	≥12 .0049 - .016 (.125 - .406)
Material	TPE	TPE	TPE/TPU	TPE/TPU
Color	★	★	★	★
Minimum Acceptable Jacket Wall Thickness AWG in inches (mm)	18 - 14 .030 (0.76)	Dependent on construction	Dependent on construction	Dependent on construction
	12 .045 (1.14)			
	10 .060 (1.52)			
OVERALL CABLING				
Fillers	★	★	★	★
Shielding	★	★	★	★
Armoring	★	★	★	★
Wraps	★	★	★	★
Strength Members	★	★	★	★
OUTER JACKET				
Material	TPE	TPE	TPE, TPU	TPE, TPU
Color	★	★	★	★
Minimum Acceptable Jacket Wall Thickness AWG in inches (mm)	18 - 14 .030 (0.76)	Dependent on construction	Dependent on construction	Dependent on construction
	12 .045 (1.14)			
	10 .060 (1.52)			
ELECTRICAL				
Max. Operating Voltage - UL	300V	600V	300V	600V
DC Resistance Max	Reference UL 62	Reference UL 62	Reference UL 1581	Reference UL 1581
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	No ampacity for signal, control and instrumentation	No ampacity for signal, control and instrumentation

* Only available for ecoPOWER™ PVC Free & HFFR

FLEX:



EXTREME ENGINEERING:



Products

ENVIRONMENTAL