



NWI EXPRESS
5 Days Design to Deliver

FEATURES

- Signal
- Control
- Instrumentation

BENEFITS:

- CSA certified and approved for CE Mark
- Compliant to RoHS2 and REACH standards
- Meets 1,000 hour weatherometer requirement
- Cold temperature and cold impact resistant
- Cost savings as ducts and conduits are not required
- Impact and crush resistant
- Oil, chemical, water, and UV resistant
- Direct burial options available

- Excellent elongation and high insulation resistance
- Low dielectric strength

DYNAMIC RANGE OF USE:

- Plant expansion and new factory installation
- Machine tool equipment
- Industrial equipment
- Servo motors
- Variable Frequency Drives (VFD)

	CIC		CIC-TC		
INSULATED CONDUCTORS					
Conductor Count	2-75		2-75		2-75
AWG (mm2)	26-14 (0.14-2.08)		18-8 (0.824-8.37)		18-8 (0.824-8.37)
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)	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)	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)	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)	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)
Material	PVC		XLPE		PCV / Nylon
Minimum Wall Thickness AWG in inches (mm)	26-20 .015-.020 (0.381-0.508) 18-8 .020-.045 (0.508-1.143)	26-20 .015-.020 (0.381-0.508) 18-8 .020-.045 (0.508-1.143)	18-10 .030 (0.762) 8 .045 (1.143)	18-10 .030 (0.762) 8 .045 (1.143)	18-12 .015/.004 (0.381-0.1016) 10 .020/.004 (0.508/0.1016) 8 .030/.005 (0.762/0.127)
OVERALL CABLING					
Fillers	★	★	★	★	★
Ground	★	★	★	★	★
Shielding	★	★	★	★	★
Armoring	★	★	★	★	★
Wraps	★	★	★	★	★
AWG Strength Members	★	★	★	★	★
OUTER JACKET					
Material	PVC, TPE		TPE		TPE
Color	★		★		★
Jacket wall thickness based on core diameter in 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) 1.501-2.500, .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) 1.501-2.500, .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) 1.501-2.500, .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) 1.501-2.500, .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) 1.501-2.500, .110 (38.10-63.50, 2.79) ≥2.501, .140 (63.50, 3.56)
ELECTRICAL					
Max. Operating Voltage - CSA	18-14 150V OR 300V 18-8 600V		18-14 150V OR 300V 18-8 600V		26-20 150V OR 300V 18-8 300V OR 600V 18-8 300V OR 600V
DC Resistance Max	C22.2 No. 239		C22.2 No. 239 and C22.2 No. 230		C22.2 No. 239 and C22.2 No. 230

Products AGENCY STANDARDS

FLEX:



EXTREME ENGINEERING:

