



NWI EXPRESS
5 Days Design to Deliver

FEATURES:

- Signal
- Instrumentation
- Control
- Power

DYNAMIC RANGE OF USE:

- Outdoors
- Arctic grade rated
- Marine shipboard
- Factory settings

BENEFITS:

- UL listed ITC/PLTC-ER and CSA certified CMX-Outdoor-CMG and approved for CE Mark
- Meets or exceeds the new FF-844 specifications for Type A
- Versatile - suitable for use in Class I, Div 2 areas
- New dual rated ITC and marine shipboard version is arctic grade extreme - suitable for applications to -40°C
- 3rd Generation Design – easy to strip and install; round, smooth jacket makes installation in cable glands effortless and secure

- Most Complete Line – 18 and 16 AWG, single and multi-pair cables with alternate color, shielding and grounding options
- Save time and money – ITC-ER (Exposed Run) rating on all versions eliminates the need for conduit in most applications
- Strong – NWI ITC/PLTC-ER rated fieldbus cables pass the same crush and impact tests for metal clad cable (UL 1569) without the difficult metal armor
- Eliminate conduit – when installed in accordance with recent NEC® amendments, allowing exposed installation of ITC/PLTC-ER cable

	Marshal EZ H1 Type A	H1 Type A	Instrumentation Tray Cable Extreme
INSULATED CONDUCTORS			
Conductor Count	1 or more pairs	1 or more pairs	1 or more pairs
AWG (mm2)	18 - 16 (0.824 - 1.31)	18 - 16 (0.824 - 1.31)	18 - 16 (0.824 - 1.31)
Stranding - Minimum and Maximum AWG - strand count	18 19 strands 16 19 strands	18 19 strands 16 19 strands	18 19 strands 16 19 strands
Material	Cross-link Polyethylene	Cross-link Polyethylene	Cross-link Polyethylene
Minimum Wall Thickness in inches (mm)	18.030 (0.762) 16.035 (0.889)	18.030 (0.762) 16.035 (0.889)	18.030 (0.762) 16.035 (0.889)
OVERALL CABLING			
Fillers	✓	✓	✓
Shielding	★	★	★
Armoring	★	★	★
Wraps	✓	✓	✓
Binder (PVC Sub-jacket)	✓	–	–
Strength Members	★	★	★
OUTER JACKET			
Material	PVC	PVC	TPE, Polyurethane
Color	★	★	★
Overall OD and jacket thickness inches (mm)	Dependent on construction	Dependent on construction	Dependent on construction
ELECTRICAL			
Max. Operating Voltage - UL	150V - 300V	150V - 300V	150V - 300V
DC Resistance Max	Reference UL 44	Reference UL 44	Reference UL 44
DC Resistance Nominal	Reference UL 44	Reference UL 44	Reference UL 44
Characteristic Impedance Ohms	100 +/- 10	100 +/- 10	100 +/- 10
Conductor to conductor Capacitance pF/ft Nominal	18 - 21.9 16 - 20.9	18 - 21.9 16 - 20.9	18 - 21.9 16 - 20.9

EXTREME ENGINEERING:



Products

SIGNAL, CONTROL + COMMUNICATION