



NWI EXPRESS
5 Days Design to Deliver

FEATURES:

- Signal
- Control
- Instrumentation

BENEFITS:

- UL listed and approved for CE Mark
- No conduit required means cost savings
- Versatile - suitable for use in Class I, Div 2 areas
- Saves space
- Wet location use
- Cold bend, impact and crush resistant
- Flame resistant, exposed run and direct burial options available

- Oil, chemical, sunlight, cut and weld flash resistant options available

DYNAMIC RANGE OF USE:

- Connectivity, low power sensors, instruments and control components
- Factory floor automation equipment
- Material handling
- Transducers
- Variable Frequency Drives (VFD)

	ITC-GP	ITC-GP (ER)	ITC-RS	ITC-RS (ER)	ITC-DB (ER)	ITC-Extreme			ITC-DB		
	General Purpose	General Purpose/ Exposed Run	Rugged Service	Rugged Service/ Exposed Run	Direct Burial/ Exposed Run	Extreme			Direct Burial		
INSULATED CONDUCTORS											
Conductor Count (flat or round)	2 or more	2 or more	2 or more	2 or more	2 or more	2 or more	2 or more	2 or more	2 or more	2 or more	2 or more
AWG (mm2)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)	22-12 (.325-3.31)
Stranding - Minimum and Maximum Diameter of individual strands AWG in inches (mm)	★	★	★	★	★	★	★	★	★	★	★
Material	ETFE, ECTFE, FEP, SRPVC	XLPE	PVC	PVC	Nylon	XLPE	PVC	Nylon	XLPE	PVC	Nylon
Insulation Wall Thickness AWG Inches (mm)	22-20 .009 (0.23) 19-15 .009 (0.23) 14-12 .012 (0.30)	All AWG sizes .020 (0.51)	22-20 .012 (0.30) 19-15 .015 (0.38) 14-12 .020 (0.51)	22-20 .015 (.38) 19-15 .015 (.38) 14-12 .015 (.38)	.005 (.13) .005 (.13) .005 (.13)	All AWG sizes .020 (0.51)	22-20 .015 (.38) 19-15 .015 (.38) 14-12 .015 (.38)	.005 (.13) .005 (.13) .005 (.13)	All AWG sizes .020 (0.51)	22-20 .015 (.38) 19-15 .015 (.38) 14-12 .015 (.38)	.005 (.13) .005 (.13) .005 (.13)
OVERALL CABLING											
Fillers	★	★	★	★	★	★	★	★	★	★	★
Shielding	★	★	★	★	★	★	★	★	★	★	★
Armoring	★	★	★	★	★	★	★	★	★	★	★
Wraps	★	★	★	★	★	★	★	★	★	★	★
Strength Members	★	★	★	★	★	★	★	★	★	★	★
OUTER JACKET											
Material	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE	PVC, TPE
Color	★	★	★	★	★	★	★	★	★	★	★
Overall OD inches (mm)	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction	Dependent on construction
ELECTRICAL											
DC Resistance	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2	UL 2250, tables 11.1 & 11.2
Ampacity	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max	5 amp max

EXTREME ENGINEERING:

