



# ITC | PLTC

## Millions of Possibilities. Custom-Configured Cost Savings.

NWI's ITC/PLTC exposed-run industrial instrument and control wiring is engineered to meet application requirements for factory floor automation equipment, material handling, sensors and transducers, process controls and other applications. Northwire also offers all major instrumentation network protocols such as FOUNDATION™ fieldbus, ODVA™ DeviceNet™, and Profibus™ DP and PA. Enjoy lower installation costs, utilizing the ITC | PLTC exposed run amendment to the NEC®, eliminating the need for conduit.

Products

INDUSTRIAL

	ITC-GP	ITC-GP (ER)	ITC-RS	ITC-RS (ER)	ITC-DB (ER)	ITC-Extreme
	General Purpose	General Purpose/ Exposed Run	Rugged Service	Rugged Service/ Exposed Run	Direct Burial/ Exposed Run	Extreme
<b>FEATURES</b>						
Signal	✓	✓	✓	✓	✓	✓
Control	✓	✓	✓	✓	✓	✓
Instrumentation	✓	✓	✓	✓	✓	✓
<b>ATTRIBUTES</b>						
Low-Temperature Rating	≤ -30°C	≤ -30°C	≤ -40°C	≤ -40°C	≤ -30°C	≤ -60°C
High-Temperature Rating	105°C	105°C	105°C	105°C	105°C	105°C
Cold Bend	≤ -20°C	≤ -20°C	≤ -20°C	≤ -20°C	≤ -20°C	≤ -20°C
Impact Resistant	✓	✓	✓	✓	✓	✓
Crush Resistant	✓	✓	✓	✓	✓	✓
Flame Resistant	FT4/IEEE 1202, UL 1685 Vertical-Tray	FT4/IEEE 1202, UL 1685 Vertical-Tray	FT4/IEEE 1202, UL 1685 Vertical-Tray	FT4/IEEE 1202, UL 1685 Vertical-Tray	FT4/IEEE 1202, UL 1685 Vertical-Tray	UL 1685 Vertical-Tray
Exposed Run Rated	–	NEC® 727.4(5)	–	NEC® 727.4(5)	NEC® 727.4(5)	–
Direct Burial Rated	✓	✓	–	–	NEC® 727.4(8)	–
Hazardous	Class I, Div 2	Class I, Div 2	Class I, Div 2	Class I, Div 2	Class I, Div 2	Class I, Div 2
Wet Location Use	✓	✓	✓	✓	✓	✓
Oil Resistant	✓	✓	✓	✓	✓	✓
Chemical Resistant	✓	✓	✓	✓	✓	✓
Sunlight/UV Resistant	✓	✓	✓	✓	✓	✓
Cut/Abrasion Resistant (unarmored)	✓	✓	✓	✓	✓	✓
Weld Flash Resistant	–	–	✓	✓	–	–
<b>STANDARDS, AGENCY AND ENVIRONMENTAL COMPLIANCE</b>						
UL	✓	✓	✓	✓	✓	✓
ANSI	✓	✓	✓	✓	✓	✓
CSA	✓	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓
NEC®	Article 727	Article 727	Article 727	Article 727	Article 727	Article 727
NFPA	✓	✓	✓	✓	✓	✓
IEC	✓	✓	✓	✓	✓	✓
RoHS2	✓	✓	✓	✓	✓	✓
REACH	✓	✓	✓	✓	✓	✓

### STANDARDS, AGENCY AND ENVIRONMENTAL COMPLIANCE:



KEY:  
 – Not Applicable  
 ✓ Featured  
 ★ Cost Competitive Custom Options Available