

Type P-NS

Type ITC/PLTC Thermocouple Extension Cable

Single Pair - No Shield - 105°C Rating For Cable Tray Use



Product Features

simplified hook-up.

pick-up.

of -40°C.

Passes the UL 1581 & IEEE 383-

Sunlight resistant and oil resistant.

Excellent weathering characteristics.

• Flexible, easy to handle and terminate.

• Twisted to reduce electromagnetic

• Suitable for low temperature installation

Individual pair is color coded for

1974 vertical tray flame tests.

Specifications

Conductors: Solid alloys per ANSI MC

Insulation: Flame-retardant Okoseal® (PVC) per UL 13 and UL 2250, 15 mils nominal thickness, 105°C temperature

Conductor Identification: Pigmented in-

Applications

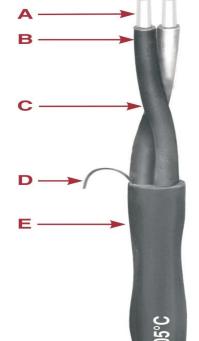
Okonite Type P-NS (Pair-No Shield) thermocouple extension cables are designed for use as instrumentation and process control cables on ITC non-classified or labeled circuits up to 150 volts and 5 amps (750VA) and in Class 2 or 3 Power-Limited circuits where shielding against external interference is not required; indoors or outdoors; in wet or dry locations with conductor operating temperatures up to 105°C; in cable trays; in raceways; supported by a messenger wire. Suitable Class I, Division 2, Class II, Division 2, or Class III, Division 1 haz-



96.1

- rating.
- sulation on individual conductors.
- **Assembly:** Pair assembled with left-hand
- Jacket: Color-coded, flame-retardant, low temperature Okoseal per UL 13 and UL 2250. A rip cord is laid longitudinally under the jacket to facilitate removal.
- Classifications: UL Listed as Type ITC/PLTC - Instrumentation Tray Cable/Power Limited Tray Cable, for use in accordance with Article 335 and 722 of the 2023 National Electrical Code.
- Cables comply with UL 2250 for ITC and UL 13 for PLTC, CL2 and CL3.

ardous locations.



- A Solid Thermocouple Alloy Conductor
- **B** Okoseal Insulation C Twisted Pair
- D Rip Cord
- E Okoseal Jacket

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Product DataSection 5: Sheet 17

For Cable Tray Use

(ÎL)

Conductors: 16 AWG Okoseal Insulation: 15 mils

ASAISP	Type Catalog Humbl	Murite	A Pairs Iti	Audites	Crosses	scional Notice I	X. ·	ile Weight
EX	284-05-1401	1	35	.24	.04	35	40	
JX	284-05-2401	1	35	.24	.04	35	40	
KX	284-05-3401	1	35	.24	.04	35	40	
TX	284-05-4401	1	35	.24	.04	35	40	

	ASA/ISA COLOR CODE AND LIMITS OF ERROR												
ASA/ISA Type	Positive Wire		Negative Wire		Outer	Temperature	Limits of Error		Nom. Loop				
	Alloy	Color	Alloy	Color	Jacket Color	Temperature Range°C	Standard	Special (1)	Resistance Per 100' @ 20°C				
EX	Chromel	Purple	Constantan	Red	Purple	0 to 200°C	± 1.7°C		27.8 ohms				
JX	Iron	White	Constantan	Red	Black	0 to 200°C	± 2.2°C	± 1.1°C	13.9 ohms				
KX	Chromel	Yellow	Alumel	Red	Yellow	0 to 200°C	± 2.2°C		23.6 ohms				
TX	Copper	Blue	Constantan	Red	Blue	-60 to 100°C	± 1.0°C	± 0.5°C	12.0 ohms				

SX available upon request.

(1) Special grade alloy conductors for JX and TX are available on special order.

† Cross-sectional area for calculation of cable tray fill in accordance with NEC Section 392.22.

Length Tolerance: Cut lengths of 1000 feet or longer are subject to a tolerance of \pm 10%; less than 1000 feet \pm 15%.

ELECTRICAL SPECIFICATIONS Per UL Standard 13 and 2250