

### Individual and Overall Shield (PLTC)



#### Product Description

PVC insulation  
PVC jacket

#### Applications

Used to economically extend the thermocouple signal in aluminum and steel plants, pulp and paper, glass, automotive, petrochemical, heat treating and food processing industries.

#### Specifications

- CONDUCTORS: Solid thermocouple extension wire conforming to limits of error listed in ISA/ANSI MC96.1
- INSULATION: 105°C flame-retardant Polyvinyl Chloride (PVC), average thickness is 15 mils
- COLOR CODE: Per ISA/ANSI MC96.1
- ASSEMBLY: Each pair is twisted with an aluminum/Mylar shield and drain wire over each pair, the cable core has an overall aluminum/Mylar shield with a tinned copper drain wire, all pair shields are isolated from each other
- OVERALL JACKET: Flame-retardant Polyvinyl Chloride (PVC), color coded per ISA/ANSI MC96.1
- STANDARDS: Meets the requirements of UL 13 and passes the IEEE 383 flame test
- TEMPERATURE: 105°C
- VOLTAGE: 300 V

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The voltage rating of the cable will not be printed on the cable jacket, as indicated in the marking requirements of UL Subject 13. Substitute XX with either JX, KX, TX or EX (e.g. 327-231-2004-KX). Diameters and weights may vary among manufacturers.

Part No.	No. of Pairs	Conductor Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.
327-231-2002-XX	2	20	0.400	90
327-231-2004-XX	4	20	0.475	100
327-231-2006-XX	6	20	0.525	126
327-231-2008-XX	8	20	0.568	153
327-231-2010-XX	10	20	0.650	183
327-231-2012-XX	12	20	0.703	226
327-231-2016-XX	16	20	0.778	284
327-231-2020-XX	20	20	0.859	356
327-231-2024-XX	24	20	0.972	416
327-231-2036-XX	36	20	1.108	578

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