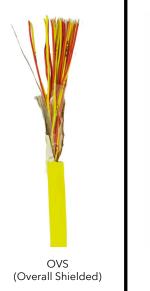
# Multipair PVC Insulated Thermocouple Wire -PVC (-25 to + 105°C)

Single & Multipair cables with an overall shield are constructed by insulating the single conductors with PVC. One conductor of each pair is numbered and twisted with its counterpart. The twisted pairs are cabled with an insulated copper communications wire and the entire construction is wrapped with an aluminum/Mylar tape shield. A copper drain wire is applied under the extruded PVC jacket





### **Key Features**

- Rated for continuous use at 105° C
- High-Quality Extruded PVC single twisted conductor and Jacket with Drain wire
- Available in standard limits and special Limits of error.
- Available in Type JX, KX, RX & SX
- UL Listed, PLTC
- Rate 300 V

#### **Comparison to Other Constructions:**

Abrasion Resistance - Good Chemical Resistance - Fair Moisture Resistance - Good

Order Code W-TTXX-XX-PVC-XXX- XXX-UL-PLTC

1 2 PVC 3 4 UL-PLTC

Example: W-TT16-KX-PVC-6PR-IOS-UL-PLTC

Note: Add "IEC" at the end of order code IEC Color coding

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| Field 1 \ | <b>Nire Gauge</b> |
|-----------|-------------------|
| Code      |                   |
|           |                   |

| Code |                  |
|------|------------------|
| 16   | 16 AWG.<br>Solid |
| 18   | 18 Awg,<br>Solid |
| 20   | 20 AWG.<br>Solid |

| Field 2 Thermocouple Type |                                   |  |  |  |  |
|---------------------------|-----------------------------------|--|--|--|--|
| Code                      |                                   |  |  |  |  |
| TX                        | Type T Thermocouple Ext Grade     |  |  |  |  |
| EX                        | Type E Thermocouple Ext Grade     |  |  |  |  |
| R/SX                      | Type RX/SX Thermocouple Ext Grade |  |  |  |  |
| JX                        | Type J Thermocouple Ext Grade     |  |  |  |  |
| KX                        | Type K Thermocouple Ext Grade     |  |  |  |  |

| Field | 3 | No. | of | Pairs |
|-------|---|-----|----|-------|
|       |   |     |    |       |

| Code |         |
|------|---------|
| 2PR  | 2 Pair  |
| 4PR  | 4 Pair  |
| 6PR  | 6 Pair  |
| 8PR  | 8 Pair  |
| 12PR | 12 Pair |
| 24PR | 24 pair |

| Field  | 4 | Shield  |  |
|--------|---|---------|--|
| . icia | • | Silicia |  |

| Code |                                       |
|------|---------------------------------------|
| IOS  | Individual and<br>Overall<br>Shielded |
| OVS  | Overall<br>Shielded                   |

| Cond. Size<br>AWG. | No. of pairs | Insulation<br>Thickness (Inches) | Jacket Thickness<br>(Inches) | Outer Diameter<br>(Inches) | Net Weight<br>LB/1000 FT |
|--------------------|--------------|----------------------------------|------------------------------|----------------------------|--------------------------|
| 16                 | 2            | 0.015                            | 0.045                        | 0.356                      | 100                      |
| 16                 | 4            | 0.015                            | 0.045                        | 0.400                      | 168                      |
| 16                 | 6            | 0.015                            | 0.045                        | 0.495                      | 240                      |
| 16                 | 8            | 0.015                            | 0.045                        | 0.575                      | 295                      |
| 16                 | 12           | 0.015                            | 0.045                        | 0.610                      | 400                      |
| 16                 | 24           | 0.015                            | 0.045                        | 0.820                      | 750                      |



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| Cond. Size<br>AWG. | No. of pairs | Insulation<br>Thickness (Inches) | Jacket Thickness<br>(Inches) | Outer Diameter<br>(Inches) | Net Weight<br>LB/1000 FT |
|--------------------|--------------|----------------------------------|------------------------------|----------------------------|--------------------------|
| 20                 | 2            | 0.015                            | 0.035                        | 0.313                      | 50                       |
| 20                 | 4            | 0.015                            | 0.040                        | 0.356                      | 75                       |
| 20                 | 6            | 0.015                            | 0.040                        | 0.463                      | 120                      |
| 20                 | 8            | 0.015                            | 0.040                        | 0.495                      | 140                      |
| 20                 | 12           | 0.015                            | 0.060                        | 0.650                      | 192                      |
| 20                 | 24           | 0.015                            | 0.070                        | 0.912                      | 352                      |

# **Specifications:**

- Construction: Conductors twisted into pairs with blue leg sequentially numbered, 1-8
- Cabling: Pairs concentrically cables on a common axis with an overall polyester binder
- Shield: Overall aluminum polyester with 20 gauge stranded tinned copper drain wire
- RoHS Compliant: Yes
- Shipping Tolerance: +- 10%
- UL listed for USA only

### Note:

Custom gauge size and pair available at requested. Minimum order for non standard item is 2000 ft or more.

