

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



OVS
(Overall Shielded)



IOS
(Individual and
Overall Shielded)

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

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

Field 1 Wire Gauge	
Code	
16	16 AWG. Solid
18	18 Awg, Solid
20	20 AWG. 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	
Code	
IOS	Individual and Overall Shielded
OVS	Overall Shielded

Cond. Size AWG.	No. of pairs	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Outer Diameter (Inches)	Net Weight 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 AWG.	No. of pairs	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Outer Diameter (Inches)	Net Weight 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.