



PVC Single Pair Thermocouple Wire (105°C)



Product application:

PVC Single Pair Thermocouple Wire is rated for use in cable tray conduit or direct burial applications

Product characteristic:

Construction:

- Solid or stranded thermocouple alloy
- Extruded high temperature 105°C PVC insulation
- When twisted shielded pair construction (SF), 100% aluminum-polyester tape with drain.
- Extruded PVC jacket

Technical:

- Continuous temperature rating: 105°C
- Minimum Bend Radius: insulation 3 x cable Ø
overall 5 x cable Ø
- Limits of Error: Conforms to ASTM E230, IEC 584, and ANSI MC 96.1
- Color Code: Conforms to ANSI, IEC, JIS

Properties:

- Good dielectric mechanical strength and flexibility
- Service temperature up 105°C
- Good resistance to water, abrasion, oil and chemicals
- Economical, general use
- Rated for use in cable tray conduit or direct burial applications



Product specification:

Solid Conductor, Parallel Pair

AWG	Strand	Insulation Thickness mm		O.D. mm	Gross Weight kg/km
		Primary	Jacket		
20	Solid	0.254	0.508	2.34/3.66	21
16	Solid	0.381	0.508	3.23/5.13	40
14	Solid	0.432	0.635	3.76/6.25	57
20	Solid	0.254	0.508	2.34/3.66	21
16	Solid	0.381	0.508	3.23/5.13	40
14	Solid	0.432	0.635	3.76/6.25	57

Stranded Conductor, Parallel Pair

AWG	Strand	Insulation Thickness mm		O.D. mm	Gross Weight kg/km
		Primary	Jacket		
20	7/28	0.305	0.508	2.62/4.23	21
16	7/24	0.381	0.508	3.23/5.51	43
20	7/28	0.305	0.508	2.62/4.23	21
16	7/24	0.381	0.508	3.23/5.51	43

Solid Conductor, Shielded Pair

AWG	Strand	Insulation Thickness mm		O.D. mm	Gross Weight kg/km
		Primary	Jacket		
20	Solid	0.254	0.508	3.912	21
16	Solid	0.381	0.584	5.385	40
20	Solid	0.254	0.508	3.912	21
16	Solid	0.381	0.584	5.385	40



Stranded Conductor, Shielded Pair

AWG	Strand	Insulation Thickness mm		O.D. mm	Gross Weight kg/km
		Primary	Jacket		
20	7/28	0.305	0.508	4.47	24
16	7/24	0.406	0.584	5.69	43
20	7/28	0.305	0.508	4.47	24
16	7/24	0.406	0.584	5.69	43

Stranded with Filler

AWG	Strand	Insulation Thickness mm		O.D. mm	Gross Weight kg/km
		Primary	Jacket		
20	7/28	0.305	0.508	4.572	24
16	7/24	0.406	0.584	5.842	43
20	7/28	0.305	0.508	4.572	24
16	7/24	0.406	0.584	5.842	43

