



PVC Multi Pair Thermocouple Wire (105°C)



Product application:

PVC Multi Pair Thermocouple Wire may be used in the transmission of telephone or other signals.

Product characteristic:

Construction:

- 20 gauge solid thermocouple alloy.
- Extruded high temperature 105°C PVC insulation.
- Color coded twisted pairs, numbered sequentially for easy identification.
- Matched pairs are twisted to reduce the amount of electromagnetic interference.
- Flame retardant PVC jacket with ripcord.
- On individually shielded pairs the shields are isolated from each other.

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:

- Allows a multiple of sensors to be connected to associated instrumentation
- Good resistance to weather, moisture, oils, alkalies, and mechanical abrasion
- PVC offers high dielectric
- Maximum noise rejection with overall shield
- Transmission of telephone or other signal with communications wire in core
- Non-propagating, flame retardant

Product specification:

Multi Pair Extension Cable With Overall Shield

AWG	Strand	Number of Pairs	Thickness of Jacket mm	O.D. mm	Gross Weight kg/km
20	Solid	4	1.016	9.042	100
20	Solid	6	1.27	10.82	144
20	Solid	8	1.27	11.76	179
20	Solid	12	1.27	13.665	243
20	Solid	16	1.27	15.748	324
20	Solid	20	1.524	16.358	385
20	Solid	24	1.524	18.44	455
20	Solid	36	1.524	20.777	631
20	Solid	50	1.778	24.282	867
20	Solid	8	1.27	11.76	179
20	Solid	6	1.27	10.82	144
20	Solid	50	1.778	24.282	867
20	Solid	4	1.016	9.042	100
20	Solid	36	1.524	20.777	631
20	Solid	24	1.524	18.44	455
20	Solid	20	1.524	16.358	385
20	Solid	16	1.27	15.748	324
20	Solid	12	1.27	13.665	243



High Temperature Thermocouple Cables

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Multi Pair Extension Cable With Individually Shielded Pairs

AWG	Strand	Number of Pairs	Thickness of Jacket mm	O.D. mm	Gross Weight kg/km
20	Solid	4	1.27	10.668	135
20	Solid	6	1.27	12.573	186
20	Solid	8	1.27	13.589	231
20	Solid	12	1.524	16.51	339
20	Solid	16	1.524	18.161	430
20	Solid	20	1.524	19.558	513
20	Solid	24	1.524	21.717	598
20	Solid	36	1.778	24.638	863
20	Solid	50	1.778	28.829	1158
20	Solid	8	1.27	13.589	231
20	Solid	6	1.27	12.573	186
20	Solid	50	1.778	28.829	1158
20	Solid	4	1.27	10.668	135
20	Solid	36	1.778	24.638	863
20	Solid	24	1.524	21.717	598
20	Solid	20	1.524	19.558	513
20	Solid	16	1.524	18.161	430
20	Solid	12	1.524	16.51	339