Multi-Pair Thermocouple Extension Wire

Cables made up of multi-pairs of thermocouple extension wire have gained wide acceptance as a cost effective means of running thermocouple extension wire from the process area to central control locations. Installation cost reductions are achieved by running one or more cables containing many pairs of wires rather than individual pairs in separate conduits. Pyromation offers two standard constructions of multi-pair cable as listed below, however special made-to-order cables are also available. Contact us with your complete specifications for a quotation. Minimum order quantities will apply on special cables.

900 SERIES STANDARD MULTI-PAIR THERMOCOUPLE EXTENSION CABLE SPECIFICATIONS

Single Conductor Insulation: Extruded PVC (pairs twisted)

Shield: Spiral wrapped aluminized polyester tape over all pairs w/copper drain wire

Overall Insulation: Extruded PVC jacket with a jacket splitting ripcord

Communication Wire: Insulated copper wire

Color Coding: ASTM/ANSI standard color codes

Numbering: Each pair

Temperature Rating: [-20° to 221] °F (-29° to 105) °C

Physical Properties:

Abrasion-resistance:	good
Moisture-resistance:	excellent
Chemical-resistance:	good

ASTM/ANSI Type JX Pairs

ASTM/ANSI Color Code:
Negative wire, red; Positive wire, white; Overall black

CODE	NUMBER OF PAIRS	B & S GAUGE	APPROX. O.D. (inches)	APPROX. SHIP WT. PER 1000 FT. (pounds)
J20-5-904	4 - Twisted	20	0.350	83
J20-5-908	8 - Twisted	20	0.420	131
J20-5-912	12 - Twisted	20	0.495	198
J20-5-924	24 - Twisted	20	0.665	338

ASTM/ANSI Type KX Pairs

ASTM/ANSI Color Code:
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J20-5-1004	4 - Twisted	20	0.395	94
J20-5-1008	8 - Twisted	20	0.455	142
J20-5-1012	12 - Twisted	20	0.550	220
J20-5-1024	24 - Twisted	20	0.842	428

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Minumum order quantities apply to all multi-pair cables. Consult factory for minimum purchase quantities, price and availability.