

Calibration Tolerances

Reference Junction 0°C

Calibration Type	Temperature Range °C	Tolerances (whichever is GREATER)	
		Standard	Special
THERMOCOUPLE-GRADE WIRE			
J	0 to 750°C	±2.2°C or ±0.75%	±1.1°C or ±0.4%
K	0 to 1250°C	±2.2°C or ±0.75%	±1.1°C or ±0.4%
E	0 to 900°C	±1.7°C or ±0.5%	±1.0°C or ±0.4%
T	0 to 350°C	±1.0°C or ±0.75%	±0.5°C or ±0.4%
R or S	0 to 1450°C	±1.5°C or ±0.25%	±0.6°C or ±0.4%
B	870 to 1700°C	±0.5%	
N	0 to 1300°C	±2.2°C or ±0.75%	±1.1°C or ±0.4%

Calibration Type	Temperature Range °C	Tolerances	
		Standard	Special
EXTENSION-GRADE WIRE			
JX	0 to 200°C	±2.2°C	±1.1°C
KX	0 to 200°C	±2.2°C	±1.1°C
EX	0 to 200°C	±1.7°C	±1.0°C
TX	0 to 100°C	±1.0°C	±0.5°C
NX	0 to 200°C	±2.2°C	±1.1°C

NOMINAL LOOP RESISTANCE

Ohms/Metre at 20°

CONDUCTOR SOLID FLEXIBLE NO. / SIZE MM	KX	EX	JX	TX	NX	Approx Gauge No. AWG
7/0.2	4.59	5.57	2.92	2.35	6.33	
1/0.5	5.04	6.11	3.21	2.58	6.95	24
13/0.2	2.47	2.997	1.574	1.267	3.41	
1/0.8	1.970	2.387	1.253	1.009	2.72	20
16/0.2	2.009	2.435	1.279	1.029	2.77	
1/1.0	1.261	1.528	0.802	0.646	1.738	18
24/0.2	1.339	1.624	0.852	0.686	1.847	
1/1.29	0.746	0.904	0.475	0.382	1.004	16

THERMOCOUPLE WIRE & CABLE

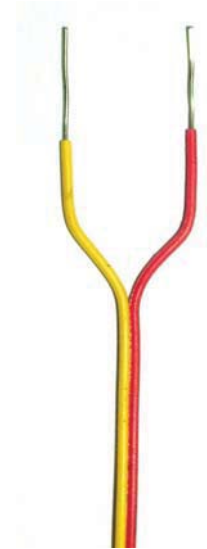
PVC RIPCORD P

This cable has a Figure 8 Rip Design for easy conductor separation. It is small and compact in size and is also flexible, flame retardant and economical in its construction.

- ◆ Available in Solid 24 AWG conductors
- ◆ Designed for continuous use at temperatures from **-26°C to 105°C**
- ◆ Individual Insulation - Colour Coded
- ◆ Construction - Parallel conductors bonded together.

APPLICATIONS

- ◆ Temperature Sensors
- ◆ Test Facilities
- ◆ Laboratories
- ◆ Transportation
- ◆ Heating and Air Conditioning
- ◆ Appliances



PVC RIPCORD

PVC / PVC PP

The least expensive jacketed extension wire insulation available. The PVC individual colour-coded conductors are insulated with 15 mils (nominal) of PVC, then parallel conductors are given a 20 mil PVC jacket. The jacket is easily stripped for separation of insulated conductors for assembly.

- ◆ Available In Solid or Stranded Conductors
24AWG, 20AWG & 16 AWG; 7x.2, 14x.2, 7x.3,

APPLICATIONS

- ◆ Permanent Sensor Fabrication
- ◆ Laboratories
- ◆ Test Facilities
- ◆ Short-run Extension Leads



PVC /PVC