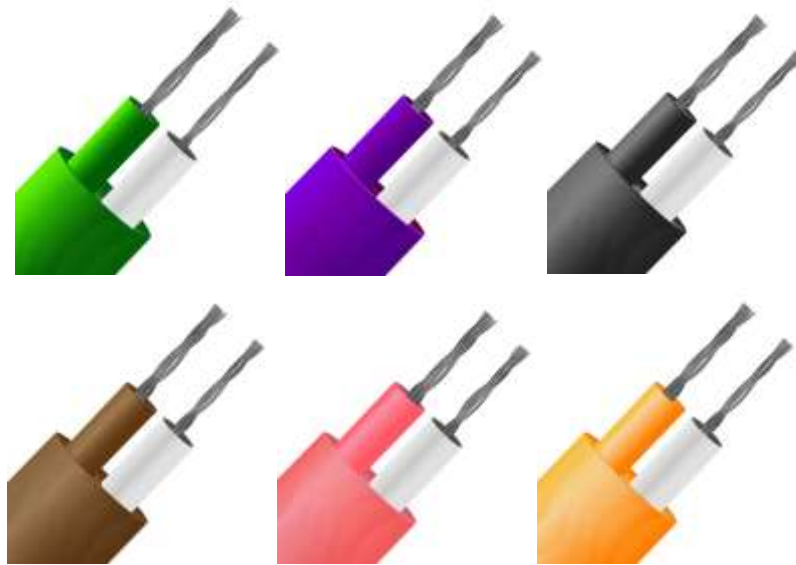


Datasheet

IEC PVC Insulated Flat Pair Thermocouple Extension & Compensating Cable

PVC Insulated Flat Pair (to IEC-584)



- PVC insulated flat pair construction
- Conductors laid flat PVC insulated with overall PVC sheath
- All round general purpose cable, both waterproof and very flexible
- Thermocouple extension types for K, J, T & N
- Compensating types VX (KCB) & U (RCA) for types K & R/S Thermocouples respectively
- Stranded conductors available, either 7/0.2mm, 13/0.2mm or 23/0.2mm
- Available in 10, 25, 100 & 200 metre lengths
- Tolerance Class 2
- Insulation rating -10°C to 105°C
- Colour code (cores & jacket) to IEC-584-3

Compensating cable resembles the thermoelectric characteristic of the relevant thermocouple over a limited ambient temperature range, 0° to 80°C typically. Since these cables are made from low cost materials, cost savings can be achieved on plant installations compared with running true thermocouple extension cable.

Extension cable (true thermocouple material) should be used for maximum accuracy.

| | Conductors | Cores | Jacket | Reel Length | Allied Code | RS order code |
|-------------------|-------------------|----------------------|---------------|--------------------|--------------------|----------------------|
| Extension: | | | | | | |
| KX | 7/0.2mm | +Green/-White | Green | 10 metres | 70657084 | 827-5615 |
| KX | 7/0.2mm | +Green/-White | Green | 25 metres | 70641729 | 236-3820 |
| KX | 7/0.2mm | +Green/-White | Green | 50 metres | 70657085 | 827-5619 |
| KX | 7/0.2mm | +Green/-White | Green | 100 metres | 70646156 | 611-7889 |
| KX | 7/0.2mm | +Green/-White | Green | 200 metres | 70657088 | 827-5628 |
| KX | 13/0.2mm | +Green/-White | Green | 10 metres | | 2154893 |
| KX | 13/0.2mm | +Green/-White | Green | 25 metres | | 827-5883 |
| KX | 13/0.2mm | +Green/-White | Green | 50 metres | | 827-5892 |
| KX | 13/0.2mm | +Green/-White | Green | 100 metres | | 2154894 |
| KX | 23/0.2mm | +Green/-White | Green | 25 metres | | 185-3004 |
| EX | 7/0.2mm | +Purple/-White | Purple | 10 metres | | 136-5863 |
| EX | 7/0.2mm | +Purple/-White | Purple | 25 metres | | 136-5864 |
| JX | 7/0.2mm | +Black/-White | Black | 10 metres | 70641640 | 219-4753 |
| JX | 7/0.2mm | +Black/-White | Black | 25 metres | 70657078 | 827-5592 |
| JX | 7/0.2mm | +Black/-White | Black | 50 metres | 70657079 | 827-5596 |
| JX | 7/0.2mm | +Black/-White | Black | 100 metres | 70641737 | 236-3915 |
| JX | 7/0.2mm | +Black/-White | Black | 200 metres | 70657081 | 827-5606 |
| TX | 7/0.2mm | +Brown/-White | Brown | 10 metres | 70641637 | 219-4703 |
| TX | 7/0.2mm | +Brown/-White | Brown | 25 metres | 70641734 | 236-3870 |
| TX | 7/0.2mm | +Brown/-White | Brown | 50 metres | 70657095 | 827-5653 |
| TX | 7/0.2mm | +Brown/-White | Brown | 100 metres | 70651749 | 762-1146 |
| TX | 7/0.2mm | +Brown/-White | Brown | 200 metres | 70657098 | 827-5662 |
| TX | 13/0.2mm | +Brown/-White | Brown | 25 metres | | 827-5899 |
| NX | 7/0.2mm | +Pink/-White | Pink | 10 metres | 70641635 | 219-4668 |
| NX | 7/0.2mm | +Pink/-White | Pink | 25 metres | 70657091 | 827-5637 |
| NX | 7/0.2mm | +Pink/-White | Pink | 50 metres | 70657089 | 827-5631 |
| NX | 7/0.2mm | +Pink/-White | Pink | 100 metres | 70657092 | 827-5640 |

| | Conductors | Cores | Jacket | Reel Length | Allied Code | RS order code |
|----------------------|-------------------|----------------|---------------|--------------------|--------------------|----------------------|
| Compensating: | | | | | | |
| VX (KCB) | 7/0.2mm | +Green/-White | Green | 10 metres | 70657082 | 827-5609 |
| VX (KCB) | 7/0.2mm | +Green/-White | Green | 25 metres | 70641629 | 219-4551 |
| VX (KCB) | 7/0.2mm | +Green/-White | Green | 50 metres | 70657080 | 827-5603 |
| VX (KCB) | 7/0.2mm | +Green/-White | Green | 100 metres | 70641630 | 219-4573 |
| VX (KCB) | 7/0.2mm | +Green/-White | Green | 200 metres | 70657083 | 827-5612 |
| VX (KCB) | 13/0.2mm | +Green/-White | Green | 10 metres | 70657086 | 827-5621 |
| VX (KCB) | 13/0.2mm | +Green/-White | Green | 25 metres | 70657087 | 827-5625 |
| VX (KCB) | 13/0.2mm | +Green/-White | Green | 50 metres | 70657090 | 827-5634 |
| VX (KCB) | 13/0.2mm | +Green/-White | Green | 100 metres | 70651750 | 762-1152 |
| U (RCA) | 7/0.2mm | +Orange/-White | Orange | 10 metres | 70657096 | 827-5656 |
| U (RCA) | 7/0.2mm | +Orange/-White | Orange | 25 metres | 70646158 | 611-7902 |
| U (RCA) | 7/0.2mm | +Orange/-White | Orange | 50 metres | 70657097 | 827-5659 |
| U (RCA) | 13/0.2mm | +Orange/-White | Orange | 10 metres | 70641641 | 219-4769 |
| U (RCA) | 13/0.2mm | +Orange/-White | Orange | 25 metres | 70657093 | 827-5643 |

U (RCA)

13/0.2mm

+Orange/-White

Orange

50 metres

70657094

827-5647