Multipair Extension Cable

Common extension wire types are made up into standard multipair cables. Each conductor is covered with a polyvinyl jacket, nominal 0.38 mm (0.015") thick, and the pairs are individually twisted. Clear polyester film/plastic sheet tape is then wrapped around the bundle of twisted pairs. A stranded tinned-copper drain wire is laid over the bundle, which is covered with aluminum-backed polyester film/plastic sheet tape to serve as an electro-static shield. The drain wire provides a simple mechanical termination for the shield. The cable is then covered with a jacket of polyvinyl approximately 1.1 mm (0.045") thick.

As an added convenience, each standard cable contains an extra polyvinyl-clad stranded-copper wire for use as a ground connection, or to complete a communication or signal circuit. Standard cables are color-coded. The individual pairs are marked 1-1, 2-2, etc., for easy identification. Insulation will withstand temperatures up to 105°C (221°F).

Discount dimensions are approximate.

### Overbraiding
Any standard item can be overbraided with tinned copper, stainless steel or Inconel upon request.

### Special Orders
Multipair extension cable can be made to order with insulation to suit your installation requirements. Consult Sales Department on pricing and quantity minimums.

### Multipair Pricing
Multipairs can be purchased in any quantity [minimum length 7.5 m (25')].

Minimum Bending Radius
- 4 pair cable: 6 times overall diameter
- 8 pair cable: 10 times overall diameter
- Over 8 pair cable: 14 times overall diameter

Custom Design - FEP Insulated Multipair Cable, Overbraided Cable and 2 Pair Cable Designs Available, Consult Sales.

### Discount Schedule
<table>
<thead>
<tr>
<th>No. of Pairs</th>
<th>Model No.</th>
<th>Nominal Overall Size mm (inch)</th>
<th>Ship Wt kg/300 m (lb/1000')</th>
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</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4KX20PP</td>
<td>10 mm (0.39&quot;)</td>
<td>39 (85)</td>
<td>4KX24SPP</td>
<td>8.4 mm (0.330&quot;)</td>
<td>25 (55)</td>
</tr>
<tr>
<td>8</td>
<td>8KX20PP</td>
<td>12 mm (0.48&quot;)</td>
<td>61 (135)</td>
<td>8KX24SPP</td>
<td>11 mm (0.420&quot;)</td>
<td>39 (85)</td>
</tr>
<tr>
<td>12</td>
<td>12KX20PP</td>
<td>15 mm (0.58&quot;)</td>
<td>89 (195)</td>
<td>12KX24SPP</td>
<td>14 mm (0.530&quot;)</td>
<td>52 (115)</td>
</tr>
<tr>
<td>16</td>
<td>16KX20PP</td>
<td>16 mm (0.65&quot;)</td>
<td>111 (245)</td>
<td>16KX24SPP</td>
<td>15 mm (0.600&quot;)</td>
<td>73 (160)</td>
</tr>
<tr>
<td>20</td>
<td>20KX20PP</td>
<td>17 mm (0.68&quot;)</td>
<td>129 (285)</td>
<td>20KX24SPP</td>
<td>16 mm (0.625&quot;)</td>
<td>86 (190)</td>
</tr>
<tr>
<td>24</td>
<td>24KX20PP</td>
<td>20 mm (0.77&quot;)</td>
<td>154 (340)</td>
<td>24KX24SPP</td>
<td>17 mm (0.650&quot;)</td>
<td>100 (220)</td>
</tr>
</tbody>
</table>

### Color-coding
- Chromega®/Alomega® ANSI Type KX
  - Positive Wire, Yellow; Negative Wire, Red; Overall, Yellow

### IRON/CONSTANTAN - ANSI Type JX
- Positive Wire, White; Negative Wire, Red; Overall, Black

### Copper/Constantan - ANSI Type TX
- Positive Wire, Blue; Negative Wire, Red; Overall, Blue

Ordering Example: 4TX20PP-100, 100' of 4 pair twisted Copper/Constantan multipair extension cable, ANSI type TX.

Note: Published prices are based on market value at time of printing and are subject to change due to Nickel surcharges, Chromium and precious-metal market fluctuations.