

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 Mylar tape is then wrapped around the bundle of twisted pairs. A solid tinned-copper drain wire is laid over the bundle, which is covered with aluminum-backed Mylar 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 solid tinned-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).

Note: Metric 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')).

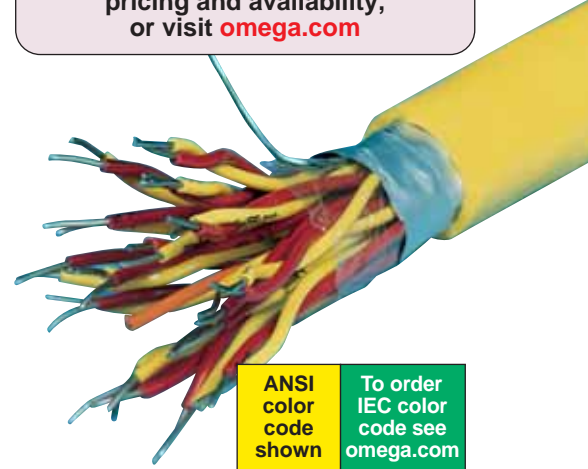
Minimum Bending Radius

4 pair cable: 6 times overall diameter
8 pair cable: 10 times overall diameter
Over 8 pair cable:
14 times overall diameter

Custom Design - Fine Gage 30, 36, 40 AWG Diameter Multipair Cable and Cable Overbraiding Available. Consult Sales

For Higher Temperature and More Severe Environments PFA Insulation and Individually Shielded Pairs are Available!

Call 1-800-TC-OMEGA for pricing and availability, or visit omega.com

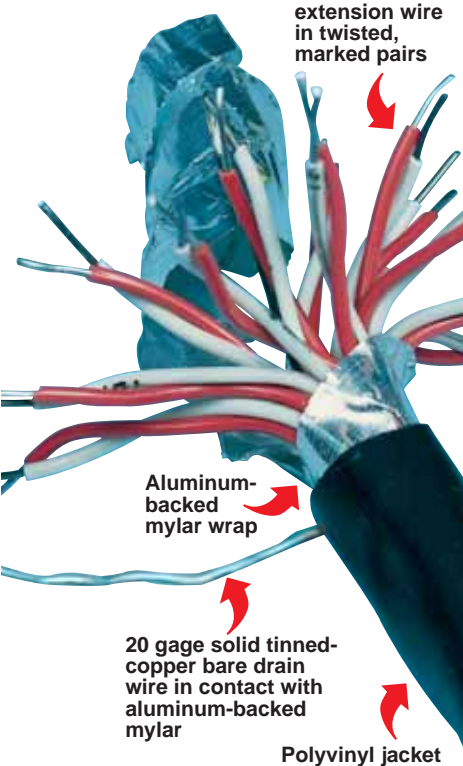


ANSI color code shown **To order IEC color code see omega.com**

Discount Schedule

| | |
|------------------------|----------|
| 60 -152m (200 -499') |5% |
| 153 -914m (500 -2999') |10% |
| 915m (3000') and up |15% |

Color-coded polyvinyl-insulated extension wire in twisted, marked pairs



Aluminum-backed mylar wrap

20 gage solid tinned-copper bare drain wire in contact with aluminum-backed mylar

Polyvinyl jacket

CHROMEPA®/ALOMEGA® - ANSI TYPE KX

MOST POPULAR MODELS HIGHLIGHTED!

ANSI Color Code: Positive Wire, Yellow; Negative Wire, Red; Overall, Yellow

| 20 AWG, Polyvinyl | | | | | 24S AWG (7 x 32), Polyvinyl | | | |
|------------------------|---------------------------|------------------------------|-----------------------------|--------------------|-----------------------------|------------------------------|-----------------------------|--------------------|
| No. of Pairs (Twisted) | Model No. ANSI Color Code | Nominal Overall Size mm (in) | Ship Wt kg/300 m (lb/1000') | Price/0.3 m (1 ft) | Model Number | Nominal Overall Size mm (in) | Ship Wt kg/300 m (lb/1000') | Price/0.3 m (1 ft) |
| 4 | 4KX20PP | 10 mm (0.39") | 39 (85) | \$4.25 | 4KX24SPP | 8.4 mm (0.330") | 25 (55) | \$4.00 |
| 8 | 8KX20PP | 12 mm (0.48") | 61 (135) | 7.25 | 8KX24SPP | 11 mm (0.420") | 39 (85) | 6.75 |
| 12 | 12KX20PP | 15 mm (0.58") | 89 (195) | 12.25 | 12KX24SPP | 14 mm (0.530") | 52 (115) | 11.25 |
| 16 | 16KX20PP | 16 mm (0.65") | 111 (245) | 16.50 | 16KX24SPP | 15 mm (0.600") | 73 (160) | 15.25 |
| 20 | 20KX20PP | 17 mm (0.68") | 129 (285) | 23.00 | 20KX24SPP | 16 mm (0.625") | 86 (190) | 21.00 |
| 24 | 24KX20PP | 20 mm (0.77") | 154 (340) | 22.00 | 24KX24SPP | 17 mm (0.650") | 100 (220) | 19.00 |

IRON/CONSTANTAN - ANSI TYPE JX

ANSI Color Code: Positive Wire, White; Negative Wire, Red; Overall, Black

| 20 AWG, Polyvinyl | | | | | 24S AWG (7 x 32), Polyvinyl | | | |
|------------------------|---------------------------|------------------------------|-----------------------------|--------------------|-----------------------------|------------------------------|-----------------------------|--------------------|
| No. of Pairs (Twisted) | Model No. ANSI Color Code | Nominal Overall Size mm (in) | Ship Wt kg/300 m (lb/1000') | Price/0.3 m (1 ft) | Model Number | Nominal Overall Size mm (in) | Ship Wt kg/300 m (lb/1000') | Price/0.3 m (1 ft) |
| 4 | 4JX20PP | 10 mm (0.39") | 39 (85) | \$3.00 | 4JX24SPP | 8.4 mm (0.330") | 25 (55) | \$2.50 |
| 8 | 8JX20PP | 12 mm (0.48") | 61 (135) | 4.25 | 8JX24SPP | 11 mm (0.420") | 39 (85) | 4.00 |
| 12 | 12JX20PP | 15 mm (0.58") | 89 (195) | 6.75 | 12JX24SPP | 14 mm (0.530") | 52 (115) | 6.25 |
| 16 | 16JX20PP | 16 mm (0.65") | 111 (245) | 8.75 | 16JX24SPP | 15 mm (0.600") | 73 (160) | 7.50 |
| 20 | 20JX20PP | 17 mm (0.68") | 129 (285) | 10.25 | 20JX24SPP | 16 mm (0.625") | 86 (190) | 9.25 |
| 24 | 24JX20PP | 20 mm (0.77") | 154 (340) | 13.25 | 24JX24SPP | 17 mm (0.650") | 100 (220) | 12.50 |

COPPER/CONSTANTAN - ANSI TYPE TX

ANSI Color Code: Positive Wire, Blue; Negative Wire, Red; Overall, Blue

| 20 AWG, Polyvinyl | | | | | 24S AWG (7 x 32), Polyvinyl | | | |
|------------------------|---------------------------|------------------------------|-----------------------------|--------------------|-----------------------------|------------------------------|-----------------------------|--------------------|
| No. of Pairs (Twisted) | Model No. ANSI Color Code | Nominal Overall Size mm (in) | Ship Wt kg/300 m (lb/1000') | Price/0.3 m (1 ft) | Model Number | Nominal Overall Size mm (in) | Ship Wt kg/300 m (lb/1000') | Price/0.3 m (1 ft) |
| 4 | 4TX20PP | 10 mm (0.39") | 39 (85) | \$2.75 | 4TX24SPP | 8.4 mm (0.330") | 25 (55) | \$2.25 |
| 8 | 8TX20PP | 12 mm (0.48") | 61 (135) | 4.00 | 8TX24SPP | 11 mm (0.420") | 39 (85) | 3.50 |
| 12 | 12TX20PP | 15 mm (0.58") | 89 (195) | 6.25 | 12TX24SPP | 14 mm (0.530") | 52 (115) | 5.75 |
| 16 | 16TX20PP | 16 mm (0.65") | 111 (245) | 8.25 | 16TX24SPP | 15 mm (0.600") | 73 (160) | 7.00 |
| 20 | 20TX20PP | 17 mm (0.68") | 130 (285) | 9.50 | 20TX24SPP | 16 mm (0.625") | 86 (190) | 8.75 |
| 24 | 24TX20PP | 20 mm (0.77") | 1552 (340) | 12.75 | 24TX24SPP | 17 mm (0.650") | 100 (220) | 11.50 |

Ordering Example: 4TX20PP-100, 100' of 4 pair twisted Copper/Constantan multipair extension cable, ANSI type TX, 100 x \$2.50 = \$250.

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.



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