

# 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 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 aluminium-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 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 colour-coded. The individual pairs are marked 1-1, 2-2, etc., for easy identification. Insulation will withstand temperatures up to 105°C.

**Note:** Metric dimensions are approximate.

### Discount Schedule

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

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

Aluminium-backed mylar wrap

0.8 mm diameter solid tinned-copper bare drain wire in contact with aluminium-backed mylar

Polyvinyl jacket

**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.

### 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).

### 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 Gauge 0.25, 0.13, 0.08 Diameter Multipair Cable and Cable Overbraiding Available. Consult Sales.

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

**Call Sales for pricing and availability, or visit [omega.co.uk](http://omega.co.uk)**



### CHROMEGLA™/ALOMEGA™ - IEC TYPE KX

IEC Colour Code: Positive Wire, Green; Negative Wire, White; Overall, Green

0.81, Polyvinyl					7/0.2 (7 x 32), Polyvinyl			
No. of Pairs (Twisted)	Model No. IEC Colour Code	Nominal Overall Size mm	Ship Wt kg/300 m	Price/Foot	Model Number	Nominal Overall Size mm	Ship Wt kg/300 m	Price/Foot
4	4KIX20PP	10 mm	39		4KIX24SPP	8.4 mm	25	
8	8KIX20PP	12 mm	61		8KIX24SPP	11 mm	39	
12	12KIX20PP	15 mm	89		12KIX24SPP	14 mm	52	
16	16KIX20PP	16 mm	111		16KIX24SPP	15 mm	73	
20	20KIX20PP	17 mm	129		20KIX24SPP	16 mm	86	
24	24KIX20PP	20 mm	154		24KIX24SPP	17 mm	100	

**MOST POPULAR MODELS HIGHLIGHTED!**

### IRON/CONSTANTAN - IEC TYPE JX

IEC Colour Code: Positive Wire, Black; Negative Wire, White; Overall, Black

0.81, Polyvinyl					7/0.2 (7 x 32), Polyvinyl			
No. of Pairs (Twisted)	Model No. IEC Colour Code	Nominal Overall Size mm	Ship Wt kg/300 m	Price/0.3 m	Model Number	Nominal Overall Size mm	Ship Wt kg/300 m	Price/0.3 m
4	4JIX20PP	10 mm	39		4JIX24SPP	8.4 mm	25	
8	8JIX20PP	12 mm	61		8JIX24SPP	11 mm	39	
12	12JIX20PP	15 mm	89		12JIX24SPP	14 mm	52	
16	16JIX20PP	16 mm	111		16JIX24SPP	15 mm	73	
20	20JIX20PP	17 mm	129		20JIX24SPP	16 mm	86	
24	24JIX20PP	20 mm	154		24JIX24SPP	17 mm	100	

### COPPER/CONSTANTAN - IEC TYPE TX

IEC Colour Code: Positive Wire, Brown; Negative Wire, White; Overall, Brown

0.81, Polyvinyl					7/0.2 (7 x 32), Polyvinyl			
No. of Pairs (Twisted)	Model No. IEC Colour Code	Nominal Overall Size mm	Ship Wt kg/300 m	Price/Foot	Model Number	Nominal Overall Size mm	Ship Wt kg/300 m	Price/Foot
4	4TIX20PP	10 mm	39		4TIX24SPP	8.4 mm	25	
8	8TIX20PP	12 mm	61		8TIX24SPP	11 mm	39	
12	12TIX20PP	15 mm	89		12TIX24SPP	14 mm	52	
16	16TIX20PP	16 mm	111		16TIX24SPP	15 mm	73	
20	20TIX20PP	17 mm	130		20TIX24SPP	16 mm	86	
24	24TIX20PP	20 mm	1552		24TIX24SPP	17 mm	100	

**Ordering Example:** 4TIX20PP-100, 100' of 4 pair twisted Copper/Constantan multipair extension cable, IEC type TX.

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