

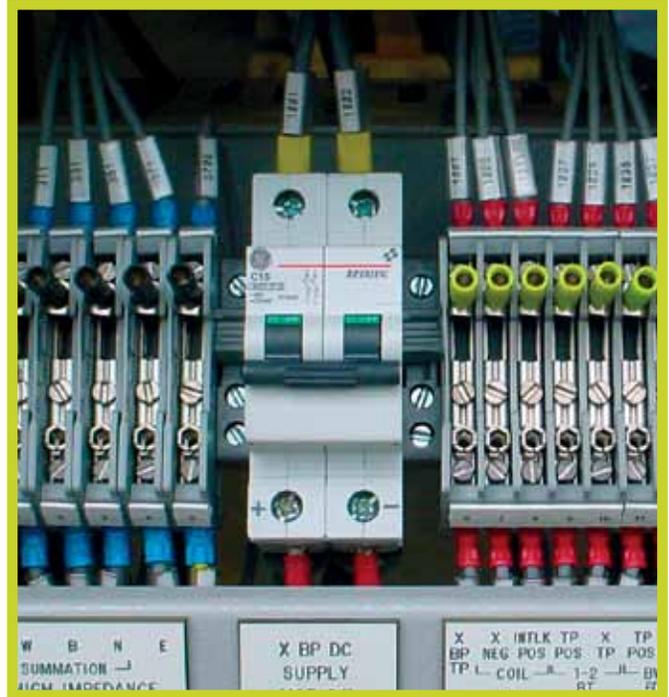


# Pre-Insulated Terminals

CABAC's range of pre-insulated terminals is comprehensive, and is being developed continually as switchgear, contactors, terminal blocks, etc. evolve. In more recent years terminals have been getting smaller, and we have developed our range of 0.5mm tab thickness quick connectors, increased our range of bootlace pins and introduced the 0.3mm<sup>2</sup> range of terminals to name a few developments. Our terminals are high quality 300V terminals having many advanced features for ease of use.

- High quality product meeting International Standards
- Long-term electrical integrity
- A unique funnel entry that speeds wire terminating and increases reliability
- Translucent nylon in fully insulated quick connectors reduces installation errors
- Full technical backup including QA
- Approved by government authorities
- Conforms to AS 3169 and AS 4437

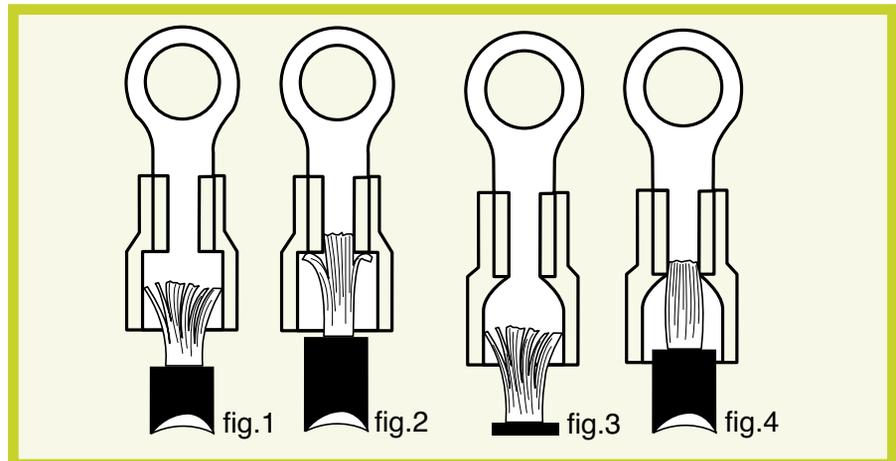
All terminals should be crimped onto the conductor using a CABAC crimper or any quality crimper that is designed to crimp the specific terminal type. If unsure of the terminal/conductor/crimper combination refer to the technical information following and test the nominal pull out force of the crimped connection. If the conductor does not pull out when the nominal pull out force is applied and held for one minute, this will give a good indication of the integrity of the joint. We offer a vast range of crimpers for various applications and terminal types that are shown in the tooling section at the back of this catalogue.



## Funnel Entry

The funnel entry has been specifically developed to speed up wire terminating, while ensuring maximum reliability of the crimped connection. Only single grip terminals are funnel entry.

- Speeds insertion of the wire
- Avoids strands folding back and minimises short-circuit risks
- Reduces stripping tolerances
- Speeds and simplifies the operation, reducing errors and rejects
- Reduces installation time



### Standard Entry

**Fig. 1**  
Having stripped the insulation, the wire strands tend to 'spring', resulting in a difficult insertion.

**Fig. 2**  
Not all strands are inserted into the terminal barrel, therefore the wire section is only partially crimped.

### Funnel Entry

**Fig. 3**  
All of the wire strands are properly funneled into the terminal barrel.

**Fig. 4**  
The wire section can be fully crimped and is both electrically and mechanically more reliable.

# Pre-Insulated Terminals

## Nominal Current Ratings

Terminal colour	Yellow	Red	Blue	Yellow
Conductor Range (mm <sup>2</sup> )	0.2-0.5	0.5-1.6	1.0-2.6	2.5-6.0
Ring Terminal	8A	24A	32A	48A
Forked Spade	6A	18A	24A	36A
Pin Connector	5A	12A	16A	24A
Lip/Flat Blade	–	24A	32A	48A
Bullet	–	12A	16A	–
In Line Splice	–	24A	32A	48A
Quick Connector	–	24A	32A	48A
End Connector	–	24A	32A	48A

NOTE: These ratings are a notional suggestions and cover most situations. It assumes defect-free workmanship, natural ambient conditions, and accepted practices within AS 3000.

## Stripping Lengths

Terminal Colour	Yellow	Red	Blue	Yellow
Conductor Range (mm <sup>2</sup> )	0.2-0.5	0.5-1.6	1.0-2.6	2.5-6.0
Strip Length for Terminals	4-5mm	4-5mm	5-6mm	6-7mm
Strip Length for in Line Splice	-	7-8mm	7-8mm	7-8mm

In general, the wire should protrude 1mm out of the front of the terminal.

## Technical Data

### Conductive Material (except Quick Connect Range)

Copper	99.9% pure
Tensile Strength	200 MPa
Ductile Rating	35%
Final Metal State	Fully annealed
Oxygen Content	50ppm max

### Conductive Material (Quick Connect Range)

Brass	30% Zinc
	70% Copper
Tensile Strength	580 MPa
Ductile Rating	6% min
Final Metal State	Annealed

### Electroplating

Material	Tin
Tin Content	99.9%
Other Metals	Lead + Antimony
Plating Thickness	2.5 microns

### General Electrical Properties

Total Conductivity	99.5% IACS
Total Resistivity	1.738 micro-ohm cm

### Insulation

Material	PVC for all except nylon 6 or nylon 66 - for FIQC
Breakdown voltage	1.5kV (min)
Insulation resistance	Above 100 meg ohms
Working voltage	Up to 300V AC/DC

### Working Temperature

Pre-Insulate	-40°C to +105°C
Brass	145°C
Tin plated	160°C

### Conformant Standards

AS4437, AS3169	Australia
CSA	Canada
IEC	Europe
UL Nema	USA
Demko	Denmark
DIN VDE	Germany
Kema	Holland
JIS Japan; Nemko	Norway
ASE	Switzerland
BS	United Kingdom

### Torque Recommendations

For hardware being metric 8.8 tensile grade.

Thread dia (mm)	Torque (Nm)
3	2
4	3
5	5
6	9
8	22
10	44
12	77

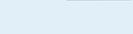
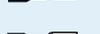
### Nominal Pull Out Force

Wire size (mm <sup>2</sup> )	Pull out force kg (N)
0.25	4.6 (45)
0.50	6.0 (59)
0.75	8.6 (84)
1.00	10.1 (100)
1.50	13.2 (130)
2.50	19.6 (192)
4.00	26.5 (260)
6.00	35.2 (345)

Pull out should be checked for each tool/terminal combination.

# Pre-Insulated Terminals

Pre-Insulated				
STUD SIZE	CONDUCTOR 0.5-1.6mm <sup>2</sup>	PACK QTY	SINGLE GRIP	DOUBLE GRIP
<b>RING TERMINAL – RT Range</b>				
M3		100	RT1.25-3	RT1.25-3DG
M4		100	RT1.25-4	RT1.25-4DG
M5		100	RT1.25-5	RT1.25-5DG
M6		50	RT1.25-6	RT1.25-6DG
M8		50	RT1.25-8	RT1.25-8DG
M10		25	RT1.25-10	RT1.25-10DG
M12		25		RT1.25-12DG
<b>FORKED SPADE – FS Range</b>				
M3		100	FS1.25-3	FS1.25-3DG
M4		100	FS1.25-4	FS1.25-4DG
M5		50	FS1.25-5	FS1.25-5DG
M6		50	FS1.25-6	FS1.25-6DG
<b>PIN CONNECTOR - PC Range</b>				
		100	PC1.25	PC1.25DG
<b>LIP BLADE - LB Range</b>				
Width 3mm		50	LB1.25-3	LB1.25-3DG
Width 5mm		50		LB1.25-5DG
<b>FLAT BLADE - FB Range</b>				
Dim. 1.9 x 11.7		100	FB1.25-2	FB1.25-2DG
Dim. 2.3 x 17		100	FB1.25-2.3/17	
Dim. 3 x 13		100	FB1.25-3	FB1.25-3DG
<b>BULLET CONNECTOR - BC Range</b>				
4mm Bullet		100		MBC1.25DG
		25		FBC1.25DG
<b>IN LINE SPLICE - ILS Range</b>				
		50	ILS1.25	ILS1.25DG
			See also page A11 and A12	
<b>QUICK CONNECTOR - QC Range</b>				
Tab 6.4 x 0.8mm		50		PB1.25-6.4DG
Tab 2.8 x 0.5mm		100		QC1.25-2.8/5DG
Tab 2.8 x 0.8mm		100		QC1.25-2.8DG
Tab 4.8 x 0.5mm		100		QC1.25-4.8/5DG
Tab 4.8 x 0.8mm		100		QC1.25-4.8DG
Tab 6.4 x 0.8mm		100		QC1.25-6.4DG
Tab 4.8 x 0.5mm		50	FIQC1.25-4.8/5	
Tab 6.4 x 0.8mm		50		FIQC1.25-6.4DG
Tab 6.4 x 0.8mm		100		MT1.25-6.4DG
Tab 6.4 x 0.8mm		50		FIMT1.25-6.4DG
Tab 6.4 x 0.8mm		25		FIFQC1.25-6.4
Flag				Requires KFLAG Tool
<b>END CONNECTOR - EC Range</b>				
		50	EC1.25	

Pre-Insulated				
STUD SIZE	CONDUCTOR 1.0-2.6mm <sup>2</sup>	PACK QTY	SINGLE GRIP	DOUBLE GRIP
<b>RING TERMINAL - RT Range</b>				
M3		100	RT2-3	RT2-3DG
M4		100	RT2-4	RT2-4DG
M5		100	RT2-5	RT2-5DG
M6		50	RT2-6	RT2-6DG
M8		50	RT2-8	RT2-8DG
M10		25	RT2-10	RT2-10DG
M12		25	RT2-12	RT2-12DG
<b>FORKED SPADE - FS Range</b>				
M3		100	FS2-3	FS2-3DG
M4		100	FS2-4	FS2-4DG
M5		50	FS2-5	FS2-5DG
M6		50	FS2-6	FS2-6DG
<b>PIN CONNECTOR - PC Range</b>				
		100	PC2	PC2DG
<b>LIP BLADE - LB Range</b>				
Width 3mm		50	LB2-3	LB2-3DG
Width 5mm		50		LB2-5DG
<b>FLAT BLADE - FB Range</b>				
Dim. 2.5 x 11.7		100	FB2-2.5	FB2-2.5DG
Dim. 2.5 x 17		100	FB2-2.5/17	
Dim. 3.5 x 13		100	FB2-3.5	FB2-3.5DG
<b>BULLET CONNECTOR - BC Range</b>				
5mm Bullet		50		MBC2DG
		25		FBC2DG
<b>IN LINE SPLICE - ILS Range</b>				
		50	ILS2	ILS2DG
			See also page A11 and A12	
<b>QUICK CONNECTOR - QC Range</b>				
Tab 6.4 x 0.8mm		50		PB2-6.4DG
Tab 2.8 x 0.8mm		100		QC2-2.8DG
Tab 4.8 x 0.5mm		100		QC2-4.8/5DG
Tab 4.8 x 0.8mm		100		QC2-4.8DG
Tab 6.4 x 0.8mm		50		QC2-6.4DG
Tab 4.8 x 0.5mm		50	FIQC 2-4.8/5	
Tab 6.4 x 0.8mm		50		FIQC2-6.4DG
Tab 6.4 x 0.8mm		100		MT2-6.4DG
Tab 6.4 x 0.8mm		50		FIMT2-6.4DG
Tab 6.4 x 0.8mm		25		FIFQC2-6.4
Flag				Requires KFLAG Tool
<b>END CONNECTOR - EC Range</b>				
		50	EC2	

# Pre/Un-insulated & Brass Terminals

Pre-Insulated				
STUD SIZE	CONDUCTOR 2.5-6.0mm <sup>2</sup>	PACK QTY	SINGLE GRIP	DOUBLE GRIP
<b>RING TERMINAL - RT Range</b>				
M3		50	RT5.5-3	RT5.5-3DG
M4		50	RT5.5-4	RT5.5-4DG
M5		50	RT5.5-5	RT5.5-5DG
M6		25	RT5.5-6	RT5.5-6DG
M8		25	RT5.5-8	RT5.5-8DG
M10		25	RT5.5-10	RT5.5-10DG
M12		25	RT5.5-12	RT5.5-12DG
<b>FORKED SPADE - FS Range</b>				
M3		50	FS5.5-3	FS5.5-3DG
M4		50	FS5.5-4	FS5.5-4DG
M5		50	FS5.5-5	FS5.5-5DG
M6		25	FS5.5-6	FS5.5-6DG
Refer page A10 for Forked Spade 10mm <sup>2</sup> -16mm <sup>2</sup>				
<b>PIN CONNECTOR - PC Range</b>				
		50	PC5.5	PC5.5DG
Refer page A11 for Pin Connector 10mm <sup>2</sup> -35mm <sup>2</sup>				
<b>LIP BLADE - LB Range</b>				
Width 5mm		50		LB5.5-5DG
<b>FLAT BLADE - FB Range</b>				
Dim. 2.9 x 16.6		50	FB5.5-3	FB5.5-3DG
Dim. 4 x 13		50	FB5.5-4	FB5.5-4DG
<b>IN LINE SPLICE - ILS Range</b>				
		25	ILS5.5	ILS5.5DG
See also page A11 and A12				
<b>QUICK CONNECTOR - QC Range 0.8mm Tabs</b>				
Tab 6.4mm		50		QC5.5-6.4DG
Tab 6.4mm		50		MT5.5-6.4DG
Tab 6.4mm		25		FIQC5.5-6.4DG
Tab 6.4mm		25		FIMT5.5-6.4DG
Tab 9.5mm		25		QC5.5-9.5DG
<b>END CONNECTOR - EC Range</b>				
		25	EC5.5	

Un-Insulated & Brass Range				
STUD SIZE	PACK Qty	CONDUCTOR RANGE (mm <sup>2</sup> )		
		0.5-1.6	1.0-2.6	2.5-6.0
<b>RING TERMINAL - UN-INSULATED - RTU Range</b>				
M3		100	RTU1.25-3	RTU2-3
M4		100	RTU1.25-4	RTU2-4
M5		100	RTU1.25-5	RTU2-5
M6		100	RTU1.25-6	RTU2-6
M8		100/50	RTU1.25-8	RTU2-8
M10		50	RTU1.25-10	RTU2-10
M12		50		RTU5.5-12
M16		50		RTU5.5-16
<b>FORKED SPADE - UN-INSULATED - FSU Range</b>				
M3		100	FSU1.25-3	FSU2-3
M4		100	FSU1.25-4	FSU2-4
M5		100/50	FSU1.25-5	FSU2-5
M6		50		FSU5.5-6
<b>QUICK CONNECTOR BRASS - QCB Range</b>				
Tab 6.4mm x 0.8		50		PBA6.4
Tab 2.8mm x 0.5		100	QCB1.25-2.8	
Tab 4.8mm x 0.8		100	QCB1.25-4.8	
Tab 6.4mm x 0.8		100	QCB1.25-6.4	
Tab 6.4mm x 0.8		100		QCB2-6.4F
Tab 6.4mm x 0.8		100	MTB1.25-6.4	
Crimp Tool for Brass range HF1 (professional) HF2 (low cost) Note: QCB2-6.4F Should be crimped with pliers and pull out checked				
<b>QUICK CONNECTOR NICKEL SILVER - QCN Range</b>				
Tab 6.4mm		100	QCN1.25-6.4	
<b>RING STAR - RS Range</b>				
Stud Size				
5mm		50		RS-5
6mm		50		RS-6

Please refer to Section H for CABAC's full range of tools. Below are some common tools for this range.



**KTC1, KTC2, KTC3**  
Pre-Insulated Crimper, General Purpose



**HP3**  
Pre-Insulated Crimper, Professional



**HN2**  
Uninsulated Terminal Crimper



**HF2**  
Brass Roll Crimper

# Terminal Kit Packs

## PRE-INSULATED AND BRASS

CABAC Kit packs are useful to a smaller user, who only wants a few terminals to complete a job. They are supplied in handy merchandiser re-sealable bag. The terminals in these kits are the same high quality 300V terminals, with all the features of the CABAC standard range, such as funnel entry.

Red Pre-Insulated Kit Packs Conductor 0.5-1.6mm <sup>2</sup>		Blue Pre-Insulated Kit Packs Conductor 1.0-2.6mm <sup>2</sup>		Yellow Pre-Insulated Kit Packs Conductor 2.5-6.0mm <sup>2</sup>	
Catalogue No.	Kit Pack Quantity	Catalogue No.	Kit Pack Quantity	Catalogue No.	Kit Pack Quantity
<b>Ring Terminals - Pre-Insulated</b>		<b>Ring Terminals - Pre-Insulated</b>		<b>Ring Terminals - Pre-Insulated</b>	
RT1.25-3/K	25	RT2-3/K	20	RT5.5-5/K	20
RT1.25-4/K	25	RT2-4/K	20	RT5.5-6/K	20
RT1.25-5/K	25	RT2-5/K	20	RT5.5-8/K	15
RT1.25-6/K	25	RT2-6/K	20		
RT1.25-8/K	20	RT2-8/K	15		
RT1.25-10/K	20				
<b>Forked Spades - Pre-Insulated</b>		<b>Forked Spades - Pre-Insulated</b>		<b>Forked Spades - Pre-Insulated</b>	
FS1.25-3/K	15	FS2-3/K	15	FS5.5-4/K	10
FS1.25-4/K	15	FS2-4/K	15	FS5.5-5/K	10
FS1.25-5/K	15	FS2-5/K	15		
<b>Pin Connectors - Pre-Insulated</b>		<b>Pin Connectors - Pre-Insulated</b>		<b>Pin Connectors - Pre-Insulated</b>	
PC1.25/K	20	PC2/K	20	PC5.5/K	15
<b>Bullet Connectors - Pre-Insulated</b>		<b>Bullet Connectors - Pre-Insulated</b>		<b>In Line Splice - Pre-Insulated</b>	
MBC1.25DG/K	15	MBC2DG/K	15	ILS5.5/K	10
FBC1.25DG/K	15	FBC2DG/K	15		
<b>In Line Splice - Pre-Insulated</b>		<b>In Line Splice - Pre-Insulated</b>		<b>Water Proof Splice - Pre-Insulated</b>	
ILS1.25/K	20	ILS2/K	20	WPS5.5/K	4
<b>Water Proof Splice - Pre-Insulated</b>		<b>Water Proof Splice - Pre-Insulated</b>		<b>Quick Connector Range - Pre-Insulated</b>	
WPS1.25/K	6	WPS2/K	6	QC5.5-6.4DG/K	10
<b>Quick Connector Range - Pre-Insulated</b>		<b>Quick Connector Range - Pre-Insulated</b>		FIQC5.5-6.4/K	
PB1.25-6.4DG/K	15	PB2-6.4DG/K	15	MT5.5-6.4DG/K	
QC1.25-6.4DG/K	20	QC2-6.4DG/K	20		
FIQC1.25-6.4/K	15	FIQC2-6.4/K	15		
MT1.25-6.4DG/K	15	MT2-6.4DG/K	15		
<b>Quick Connectors - Brass</b>		<b>Quick Connectors - Brass</b>			
QCB1.25-6.4/K	20	QCB2-6.4F/K	20		
MTB1.25-6.4/K	20				
PBA6.4/K	20				
<b>Quick Connectors - Nickel Silver</b>					
QCN1.25-6.4/K	20				
<b>Ring Star Range - Brass</b>					
RS-5/K	20				
RS-6/K	20				



# Terminal Kits

## Terminal and Tool Kits - Plastic Boxes

Terminal kits packed in KPBB1 sturdy plastic box with 20 pieces of the below terminals, and two tool options, one economy range, and one with a quality ratchet crimp tool. Please refer to the tooling section in Section G for details of the crimp tool.

- FIQC1.25-6.4DG
- FS1.25-4
- ILS1.25
- PC1.25
- RT1.25-5
- FIQC2-6.4DG
- FS2-4
- ILS2
- QCN1.25-6.4
- RT2-5

**KPBK3** Economy Kit with K10/2 tool

**KPBK6** Professional Kit with KTC1 ratchet crimp tool



KPBK6

## Bootlace Terminal and Tool Kits - Plastic Boxes

These kits contain the most common bootlace pins with two tool options, packed in a KPBB1 sturdy plastic box. Please refer to the tooling section in Section G for details of the crimp tool.

The kit contains 100 of:

- BLP050
- BLP075
- BLP100
- BLP150
- BLP250
- BLP400
- BLPT075
- BLPT100
- BLPT150
- BLPT250

**BLPKIT1** Kit with HNKE6 plier style crimper

**BLPKIT2** Kit with HNKE5 ratchet crimper



BLPKIT2

## Lug Terminator Kit - Large

This kit has large quantities of copper lugs and links from 2.5 to 16mm<sup>2</sup> and a K26 tool for crimping, all packed in a sturdy KPBB1 plastic box.

Kit contains:

- |            |     |           |     |            |    |
|------------|-----|-----------|-----|------------|----|
| • CAL2.5-5 | 100 | • CAL10-6 | 50  | • CAS6     | 50 |
| • CAL2.5-6 | 100 | • CAL16-6 | 25  | • CAS16    | 25 |
| • CAL4-6   | 50  | • CAL16-8 | 25  | • K26 Tool | 1  |
| • CAL6-6   | 50  | • CAS2.5  | 100 |            |    |

**KPBK1**



KPBK1

## Lug Terminator Kit - Small

This kit has handyman quantities of copper lugs and links from 2.5 to 16mm<sup>2</sup> and a K26 tool for crimping all packed in a sturdy KPBB1 plastic box.

Kit contains:

- | Product    | Qty | • CAL10-6 | 25 | • CAS6     | 15 |
|------------|-----|-----------|----|------------|----|
| • CAL2.5-5 | 25  | • CAL16-6 | 15 | • CAS16    | 15 |
| • CAL2.5-6 | 25  | • CAL16-8 | 15 | • K26 Tool | 1  |
| • CAL4-6   | 25  | • CAS2.5  | 25 |            |    |
| • CAL6-6   | 25  |           |    |            |    |

**KPBK2**



KPBK2

## Terminal and Tool Kits - Metal Box

CABAC offers a range of kits based around our KSB-BL Metal Box.

**KTB** - Basic Kit with no tool, having a range of terminals packed in a KSB-BL metal box.

Contains 25 pieces of the following terminals:

- PC1.25
- PC2
- RT1.25-4
- RT1.25-5
- RT2-5
- RT2-6
- RT5.5-5
- MBC1.25DG
- MBC2DG
- ILS1.25
- ILS2
- FIQC1.25-6.4DG
- FIQC2-6.4DG
- FS1.25-4
- FS2-4
- FBC1.25DG
- FBC2DG
- QC1.25-6.4DG
- QC2-6.4DG
- PBA6.4

### Kit Options:

#### **KTB-T1**

Terminators Kit (KTB) with K10/3 tool.

#### **KTB-T2**

Terminators Kit (KTB) with HP3 quality ratchet tool.

#### **KTB-T3**

Terminators Kit (KTB) with KTC1 budget ratchet tool.



KTB

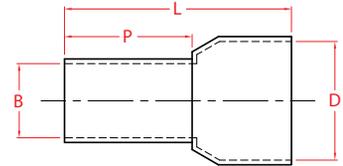
# Bootlace Pins - Ferrules

CABAC Bootlace Pins are used to terminate conductors, by containing the strands in a thin walled copper sleeve that is crimped onto the conductor. The sleeve ensures that no conductor strands stray, and also stops screws in the terminal from breaking strands. With the use of larger diameter flexible cables, the range is continually growing, so please contact our sales department if an item you need is not shown.

There are three basic types of BLP:

- Insulated single conductor style
- Twin conductor style
- Un-insulated cord end sleeves

The sleeves should be slipped over the stripped conductor, and crimped with one of our HNKE range of crimp tools. Crimp is only to hold sleeve on conductor until screw of terminal housing makes connection.



	Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Dimensions (mm)				Colour	Pack	Tooling	
			L	P	B	D				
	<b>BLP025</b>	0.25	10	6	0.75	1.9	Violet	100		
	<b>BLP034</b>	0.34	10	6	0.8	1.9	Pink	100		
	<b>BLP050</b>	0.5	14	8	1.3	3.4	White	100		
	<b>BLP050/500</b>							500		
	<b>BLP075</b>	0.75	14	8	1.5	3.8	Blue	100		
	<b>BLP075/500</b>							500		
	<b>BLP100</b>	1.0	14	8	1.7	4.1	Red	100		
	<b>BLP100/500</b>							500		
	<b>BLP150</b>	1.5	14	8	2.0	4.6	Black	100		
	<b>BLP150/500</b>							500		
	<b>BLP150-18</b>	1.5	24	18	2.0	4.6	Black	100	HNKE12	
	<b>BLP250</b>	2.5	14	8	2.6	4.9	Grey	100		
	<b>BLP250-18</b>							100		
	<b>BLP400</b>	4	18	10	3.2	5.8	Orange	100		
	<b>BLP400-18</b>	4	26	18	3.2	4.8	Orange	100		
	<b>BLP600</b>	6	20	12	3.9	6.9	Green	50		
	<b>BLP600-18</b>	6	26	18	3.9	6.9	Green	50		
	<b>BLP1000</b>	10	22	12	4.9	8.4	Brown	25		
	<b>BLP1000-18</b>	10	28	18	4.9	8.4	Brown	25		
	<b>BLP1600</b>	16	24	12	6.2	9.6	Ivory	25		
	<b>BLP1600-18</b>	16	28	18	6.2	9.6	Ivory	25		
	<b>BLP2500</b>	25	28	16	7.7	12.0	Black	10		
	<b>BLP3500</b>	35	30	16	8.7	13.5	Red	10		
	<b>BLP5000</b>	50	36	16	10.9	16.0	Blue	10		
	<b>BLP7000</b>	70	37	21	14.3	17.2	Yellow	5		
	<b>BLP9500</b>	95	44	25	15.5	19.2	Red	3		
	<b>BLP12000</b>	120	48	27	17.6	21.4	Blue	3		

## "Shaker Box" for Bootlace Pins

CABAC has two handy assortment boxes for bootlace pin connectors. These have a range of the most popular sizes, for day to day use.

### BLPK1

Bootlace pin assortment 0.5-2.5mm<sup>2</sup>.

Contents	Qty
BLP050	100
BLP075	100
BLP100	100
BLP150	100
BLP250	50

### BLPK2

Bootlace pin assortment 4-16mm<sup>2</sup>.

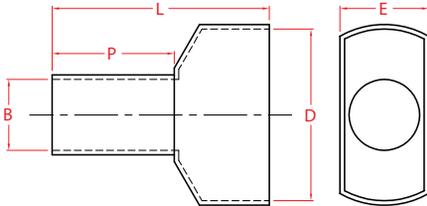
Contents	Qty
BLP400	50
BLP600	20
BLP1000	20
BLP1600	10



# Twin & Un-insulated Bootlace Pins

## Twin Wire BLPT Bootlace Pins

The twin wire BLPT range is specifically designed to terminate two wires in the same terminal. With the development of smaller switches and devices become smaller. The twin wire BLPT solves these problems in a quick and easy way.

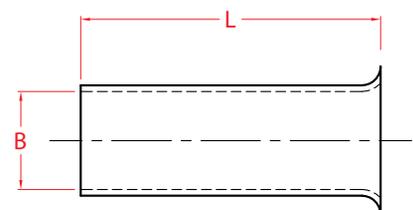


Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Dimensions (mm)					Colour	Pack	Tooling			
		L	P	B	D	E			HNKE3	HNKE5	HNKE6	HNKE9
BLPT075	2 x 0.75	15.0	8.0	1.8	5.0	2.8	Grey	100				
BLPT100	2 x 1.0	15.0	8.0	2.05	5.4	3.4	Red	100				
BLPT150	2 x 1.5	16.0	8.0	2.3	6.6	3.6	Black	100			HNKE3	HNKE9
BLPT250	2 x 2.5	18.5	10.0	2.8	7.8	4.2	Blue	100			HNKE3	HNKE9
BLPT400	2 x 4.0	23.0	12.0	3.7	8.8	4.9	Grey	50				
BLPT600	2 x 6.0	26.0	14.0	4.8	10.0	6.9	Yellow	25				

## Un-insulated Bootlace Pins - Cord End Connectors

CABAC un-insulated bootlace pins are used to terminate conductors, by containing the strands in a thin walled copper sleeve. Crimping of the sleeves is optional, since the screw in the terminal will "crimp" the connection.

Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Dimensions (mm)		Std Pack	Tooling			
		L	B		HNKE3	HNKE6	HNKE5	HNKE7
BLPU050	0.50	8	1.0	100				
BLPU075	0.75	8	1.2	100				
BLPU100	1.0	10	1.4	100	HNKE3			
BLPU150	1.5	10	1.7	100				
BLPU250	2.5	10	2.2	100				
BLPU400	4	12	2.8	100				
BLPU600	6	12	3.5	100				
BLPU1000	10	12	4.5	25				
BLPU1600	16	12	5.8	25				
BLPU2500	25	18	7.3	10				HNKE7
BLPU3500	35	18	8.3	10				
BLPU5000	50	20	10.3	10				
BLPU7000	70	25	13.5	5				
BLPU9500	95	32	14.7	3				
BLPU12000	120	32	16.7	3				HNKE8

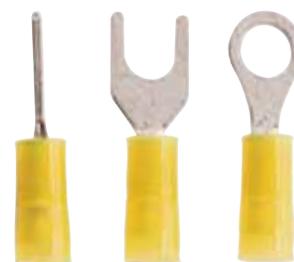


# Special Terminals

## 0.3mm<sup>2</sup> Pre-Insulated Terminal Range

Cable terminations are getting smaller as time progresses. CABAC 0.3mm<sup>2</sup> range accommodate fine conductors in the 0.2 to 0.5mm<sup>2</sup> range.

Catalogue No.	Stud Size (mm)	Std Pack
<b>Ring Terminals</b>		
RT0.3-3DG	3	100
RT0.3-4DG	4	
RT0.3-5DG	5	
<b>Forked Spades</b>		
FS0.3-3DG	3	100
FS0.3-4DG	4	
FS0.3-5DG	5	
<b>Pin Connector</b>		
PC0.3DG		100



## Forked Spade Flange Style - FSF Range

These terminals are designed to provide a positive location and restraint to the terminal palm, especially for captive screw and vibration applications. They should be crimped using the normal CABAC tool range.

Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Stud Size (mm)	Std Pack
FSF1.25-3DG	0.5 to 1.6	3	100
FSF1.25-4DG		4	
FSF1.25-5DG		5	
FSF2-3DG	1.0 to 2.6	3	100
FSF2-4DG		4	
FSF2-5DG		5	



## Water Proof Splice - WPS Range

CABAC Water Proof Splices have a glue lined heatshrink insulation, which is shrunk onto the wire after crimping. This gives a completely waterproof connection. They are crimped using standard CABAC tooling.

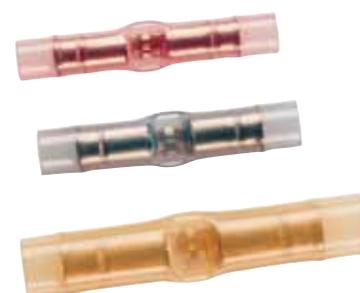
Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Insulation Colour	Std Pack
WPS1.25	0.5 to 1.6	Red	25
WPS2	1.0 to 2.6	Blue	
WPS5.5	2.5 to 6.0	Yellow	



## Window Splices - ILSWS Range

CABAC Window Splices have a "window" in the centre of the splice, that can be seen through translucent insulation, through which you can see if the conductors have bottomed, and as such a correct crimp achieved. They are used in high integrity installations, where conductor connectivity is critical. They are crimped with standard CABAC tooling.

Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Insulation Colour	Std Pack
ILS1.25WS	0.5 to 1.6	Red	50
ILS2WS	1.0 to 2.6	Blue	50
ILS5.5WS	2.5 to 6.0	Yellow	25



# Special Terminals

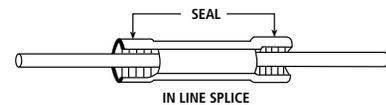
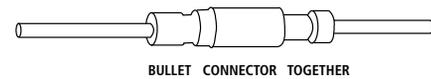
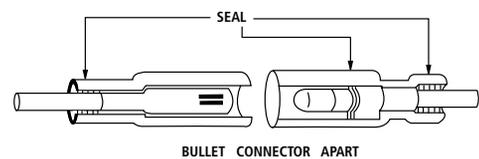
## IP57 Bullets & Splices

These IP57 Bullets and Splices are designed for hostile environments, and can be immersed in water, without water getting into the joint. The bullets allow equipment to be disconnected and re-connected maintaining an IP57 integrity.

- Have an in-built sealing ring, which seals the terminal to wire insulation interface, stopping water ingress
- The bullets have in-built sealing ridges, which stops water penetration, and a positive seal at the base of the male bullet
- The bullets are ideal for connections of swap out equipment, and equipment that has to be temporarily connected
- Temperature range -40°C to 105°C
- Rated voltage 300V
- Flame retardant nylon insulation to UL94V-2
- IP57 to IEC529

For correct sealing, ensure the insulation of the wire is the correct diameter (see table below) and simply insert the wire and crimp with a quality CABAC pre-insulate crimper such as the HP3.

Catalogue No.	Description	Conductor Range (mm <sup>2</sup> )	Outside Wire Diameter (mm)	Std Pack
<b>Bullet Connectors</b>				
<b>MBC1.25/IP57</b>	Red Male Bullet	0.75-1.25	2.6-3.2	25
<b>FBC1.25/IP57</b>	Red Female Bullet			
<b>MBC2/IP57</b>	Blue Male Bullet	1.0-2.6	3.0-3.6	25
<b>FBC2/IP57</b>	Blue Female Bullet			
<b>In Line Splices</b>				
<b>ILS1.25/IP57</b>	Red In Line Splice	0.75-1.25	2.6-3.2	50
<b>ILS2/IP57</b>	Blue In Line Splice	1.0-2.6	3.0-3.6	



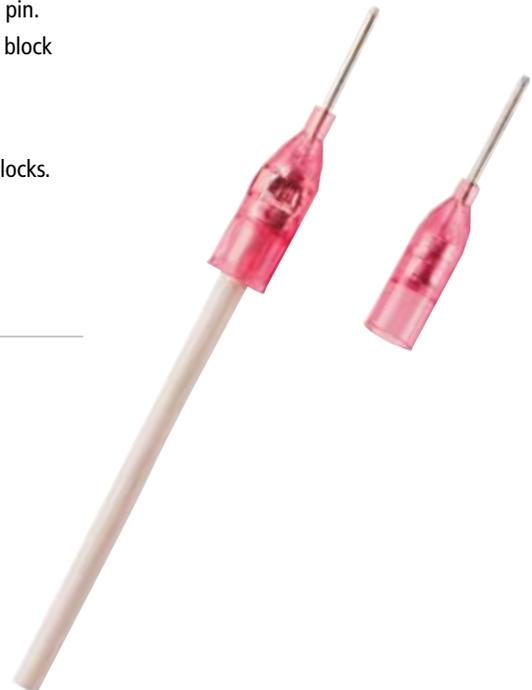
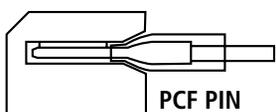
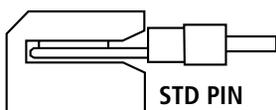
## Terminal Block Pins

These pins have a long skinny pin, and most importantly the insulation tapers toward the pin.

- Because the insulation tapers the front of the pin and the insulation are in the terminal block cavity. This minimises chances of short outs, and things inadvertently touching
- The long pin is designed to go into most commercially available terminal blocks
- The insulation is translucent so the crimp can be inspected through the insulation

One of the largest uses for this product is the lighting industry and spring type terminal blocks. These terminals should be crimped with normal CABAC tooling.

Catalogue No.	Description	Conductor Range (mm <sup>2</sup> )	Pin Length (mm)	Std Pack
<b>PCF1.25</b>	Red Pin	0.3-1.56	11	100

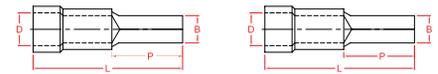


# Large Conductor Pins, Forks & Rings

## Pin Connectors Insulated 10mm<sup>2</sup> to 35mm<sup>2</sup>

Pin Connectors for larger conductors than conventional yellow range of terminals. Insulation is black nylon and funnel entry is provided for ease of wire insertion. Terminals accommodate fine-stranded wire.

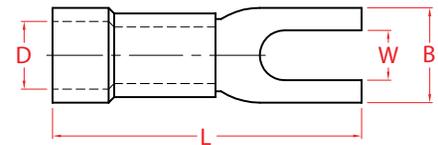
Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Dimensions (mm)				Crimp Tool	Pack Qty
		L	B	P	D		
PC10	10	35	4.2	14.5	8.0	K25 / HNN4	10
PC16	16	41	5.5	18.0	9.2		10
PC25	25	45	6.8	20.3	11.1	K28	10
PC35	35	55	8.0	24.5	13.6	K9	5



## Forked Spade Insulated 10mm<sup>2</sup> and 16mm<sup>2</sup>

Forked Spades for larger conductors than conventional yellow range of terminals. Insulation is black nylon and funnel entry is provided for ease of wire insertion. Terminals accommodate fine-stranded wire. These forked spades are narrow so that they can be used on modern compact switchgear.

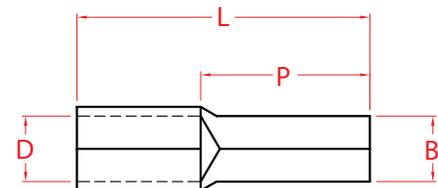
Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Stud Size	Dimensions (mm)				Crimp Tool	Pack Qty
			L	B	W	D		
FS10-4	10	4	26	9.8	4.2	8.2	HNN4 / K25	10
FS10-5	10	5	35.2	11.5	5.2	8.2		10
FS16-4	16	4	31	9.8	4.2	9.0	10	
FS16-5	16	5	31	11.5	5.2	9.0	10	



## Pin Connectors Uninsulated 10mm<sup>2</sup> to 50mm<sup>2</sup>

CABAC's Un-Insulated PCU range are larger size pins than the normal terminal style. They are useful to connect narrow tunnels in switchgear.

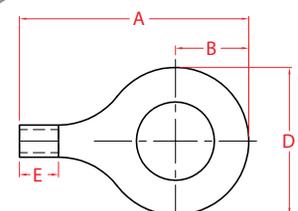
Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Dimensions (mm)				Crimp Tool	Pack Qty
		L	B	P	D		
PCU10	10	23.5	4.3	14.5	4.8	K25 / K26	50
PCU16	16	28.0	5.5	18.0	5.9	K25 / K26	50
PCU25	25	32.0	7.0	20.3	7.0	K28 / K9	50
PCU35	35	39.0	8.0	24.5	8.9	K9	50
PCU50	50	45.0	9.5	26.0	10.0	K9	1



## Large Diameter Rings on a Small Conductor

These Ring Terminals are designed to attach a small wire to a large diameter bolt, such as earth connections etc.

Catalogue No.	Nominal Conductor (mm <sup>2</sup> )	Stud (mm)	Crimp Tool	Pack Qty	A	B	D	E
					RTU10-12	10	12	
RTU10-16	10	16	K26, K27, K28	100	50.00	16.00	8.50	8.50
RTU16-16	16	16		50	54.00	16.00	8.50	16.50
RTU20-12	20	12	K28, K9	50	54.00	16.00	13.00	16.50



# Telecom Splices & Solder Splices

## Telecom Splice Connectors

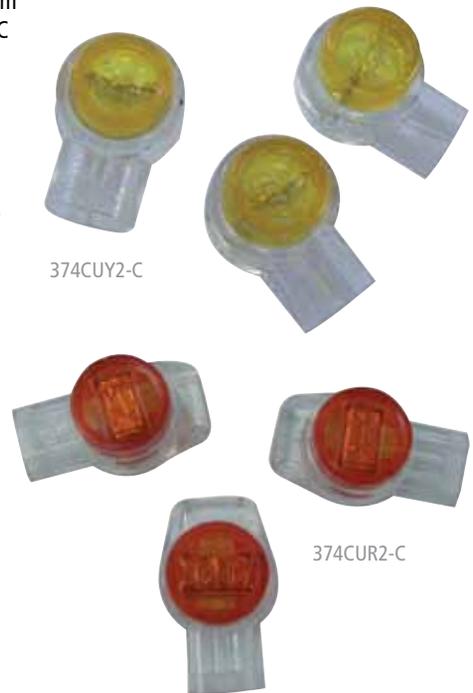
CABAC Telecom Splice Connectors are specifically designed to quickly connect two or three telecom conductors. Simply insert the un-stripped wires, and crimp the cap of the connector using a CABAC TELSP2 tool, and the wires are connected forever.

- Connectors are grease filled to ensure a moisture proof connection
  - Bodies are made from polycarbonate plastic that resists splitting, rough handling and solvents
  - The connection method is an IDC (Insulation Displacement Connection), which is proven to be stable in the long term. Two IDC elements are used in each connection for greater joint integrity
- Ensure any crimp tool used has a parallel action, like the CABAC TELSP2 tool. Many low cost tools have a plier action, which is not recommended for crimping these connectors.

Catalogue No.	Superseded Catalogue No.	Conductor No. of Conductors	Max Range Dia. (mm)	Insulation (mm)	Cap Colour	Std Pack
<b>374CUY2-C</b>	<b>373MUY2-C</b>	2	0.4-0.9	2.1	Yellow	100
<b>374CUR2-C</b>	<b>373MUR2-C</b>	3	0.4-0.9	2.1	Red	100

### Technical Data

Body material: Polycarbonate  
Operating temperature: -40 to 140°C



## Solder Splices

CABAC Solder Splices are an adhesive lined heatshrink tube containing a sleeve of low melt point fluxed solder. The conductors are inserted into the sleeve, and the strands intermingled. Using a hot heatgun, the sleeves are shrunk onto the conductor, at the same time melting the solder, which connects the wires. The advantages of solder splices are:

- A completely sealed soldered joint is created in one go
- The heatshrink has an internal glue liner, which melts and seals the joint
- A joint with good strain relief, and high vibration resistance is created
- A fast, time effective way of joining two conductors
- Ideal for connections in hostile or moist environments

To install solder sleeves, strip the conductors 9mm. Slide a sleeve over one of the wires. Push the conductors together and intermingle the wires. Slide the solder sleeve to the centre of the joint. Apply heat from the centre to the end of the sleeve, and focus heat on the solder until it flows. Shrink the ends of the heatshrink, ensuring the glue liner is melted and flows. Avoid overheating, and set temperature to approx 250°C. Do not use an open flame.

Catalogue No.	Conductor Range (mm <sup>2</sup> )	Colour	Pack Qty
<b>SSCL-X</b>	0.1 - 0.5	Clear	10
<b>SSRD-X</b>	0.5 - 1.0	Red	10
<b>SSBL-X</b>	1.0 - 2.0	Blue	10
<b>SSYL-X</b>	2.0 - 6.0	Yellow	10

### Technical Data

Melting Temperature: 126 to 145°C  
Temperature Rating: -55 to +95°C  
Dielectric Strength: 15 kV/mm<sup>2</sup>  
Insulation Resistance: 10<sup>14</sup> Meg Ohms  
Mil Spec of Tubing: MIL-I-23053/4, Class 1 AMS-3634  
Mil Spec of Solder: QQ5571E, MIL-S-14256



# Insulated Screw Connectors

CABAC heavy duty Insulated Screw Connectors accommodate a maximum of 2 x 6mm<sup>2</sup> cables, and are made in one and two screw formats, the two screw being for the earth.

- They have a clear plastic housing so that the termination can be visually checked
- Soft plastic housing with no sharp edges for user comfort
- Nominal 32A rating, dependant on conductor loading
- Rated for normal 240/415V applications
- Connectors are supplied in handy screw top jars

They are typically used by electricians, in junction boxes for general connections, to connect light fittings, and virtually anywhere in general purpose wiring. Supplied in handy screw top jars.



Catalogue No.	Description Conductor	Jar Qty	Jar Weight (g)
<b>C32A1</b>	Single Screw Connector 32A	100	330
<b>C32A2</b>	Double Screw Connector 32A	50	330

## Technical Data

### Material

Body: PVC  
Connections: Brass

### Nominal Ratings

Voltage: 240/415V  
Amperage: 32A



# Terminal Block Connector Strip

## WIRE PROTECT STYLE

CABAC Terminal Block Connector Strips are high quality wire protect style blocks. This means a small metal "pressure" plate is located below each screw, which clamps on to the wire strands, protecting them from the screw which will damage strands during screwing down the connector.

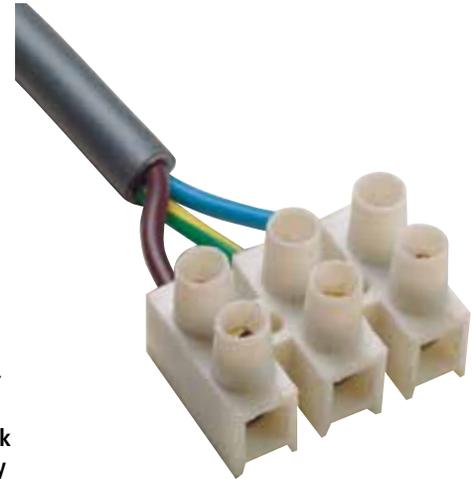
Features include:

- Wire protect style to protect strands
- Manufactured from Polyamide 66
- Working temperature of 105°C
- Nickel plated brass terminals
- Plated steel screws

They are supplied in 12 way strips that can be cut down to your requirements.

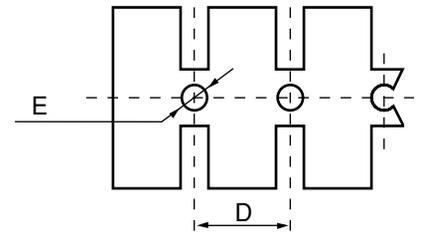
These blocks are available from CABAC in two ways:

1. Single pack blister merchandisers which are ideal for hang cell merchandising
2. Blocks of 10 terminal strips (10 by 12 way strips) wrapped in cellophane, for the industrial user



Catalogue No.	Nominal Amp Rating	Max Cond mm <sup>2</sup> *	A	B	C	D	E	F	Pack Qty
TB3/12WAY	3	2.5	94	16.5	15.0	8.0	2.0	2.8	1
TB6/12WAY	6	2.5	118	19.5	16.0	10.0	3.0	3.2	1
TB10/12WAY	10	4	130	20.5	17.0	11.0	3.2	3.6	1
TB10/12WAY-50									50
TB15/12WAY	15	6	138	23.6	18.5	11.5	3.2	4.4	1
TB30/12WAY	30	10	174	27.0	22.5	15.0	4.0	5.2	1

\*Note maximum conductor size will depend on stranding.



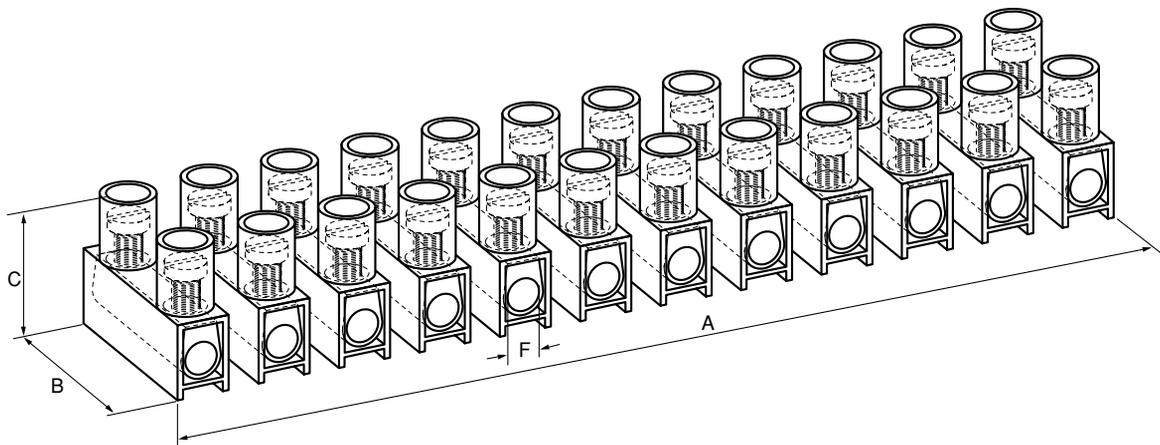
## Technical Data

### Material

Housing: Polyamide 66  
 Conductive: Brass Nickel Plated  
 Screws: Steel Chrome Plated

### Nominal ratings

Voltage : 415V  
 Max Operating Temp: 105°C  
 Flammability: Flame Retarded



# Pre-Insulated Terminals - Recommended Tooling

All terminals should be crimped onto the conductor using a CABAC quality crimper or a crimper that is designed to crimp the specific terminal type. If unsure of the terminal/conductor/crimper combination refer to the technical information on page A2 & A3. CABAC has a large comprehensive range of application tooling refer to section (H) Tooling for a full range.

## Pre-insulated Terminal Crimper, Red, Blue and Yellow

Low cost ratchet terminal crimper for red, blue and yellow pre-insulated terminals. Ratchet operation ensures correct crimp and reduced hand effort. When crimping flexible conductors in yellow terminals the maximum capacity of the tool is 6mm<sup>2</sup>.

- Length: 230mm
- Weight: 540g

**KTC1**

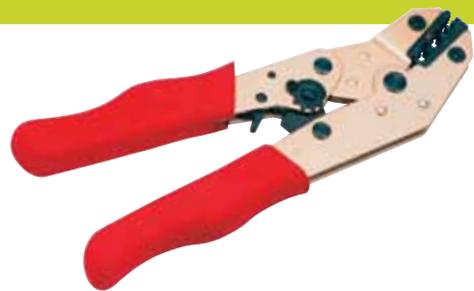


## Pre-insulated Terminal Crimper - Light Weight

This tool is very useful for general electrical installation, in that it combines red and blue pre-insulated terminal jaws, with bootlace terminal jaws 0.25mm<sup>2</sup> - 2.5mm<sup>2</sup> (BLP025 to BLP250). It is also light weight made from a titanium alloy, with ultra soft cushioned handles. Ratchet operation ensures a correct crimp.

- Length: 210mm
- Weight: 200g

**KTC2**



## Professional Crimping Tool - Super High Leverage Ergonomic Handles

- High precision ratchet style crimping tool for red, blue and yellow pre-insulated terminals
- Super high leverage ergonomic handles
- Jaws are hardened and polished to achieve optimum crimp
- Ratchet operation ensures correct crimp and reduced hand effort
- High quality tool will ensure years of precision crimping
- Ratchet release clip
- The tool features an adjustment dial to further enhance the quality of the tool

### Crimping guide

Red	0.5 - 1.65mm	22 - 16 AWG
Blue	1.0 - 2.6mm	16 - 14 AWG
Yellow	2.6 - 6.6mm	12 - 10 AWG

**KTC3**



## Pre-insulated Terminal Crimper, Red, Blue and Yellow - Precision

High precision ratchet terminal crimper for red, blue and yellow pre-insulated terminals. Jaws are hardened and polished to achieve optimum crimp. Ratchet operation ensures correct crimp and reduced hand effort. This tool is ultra high quality and should give years of precision crimping. Guaranteed for a million crimps.

- Length: 235mm
- Weight: 480g

**HP3**



## Pre-insulated Terminal Crimper, with Guard - Precision

This is the same as the HP3, but has a guard to locate terminals correctly in the tool prior to crimping.

**HP3/1**

