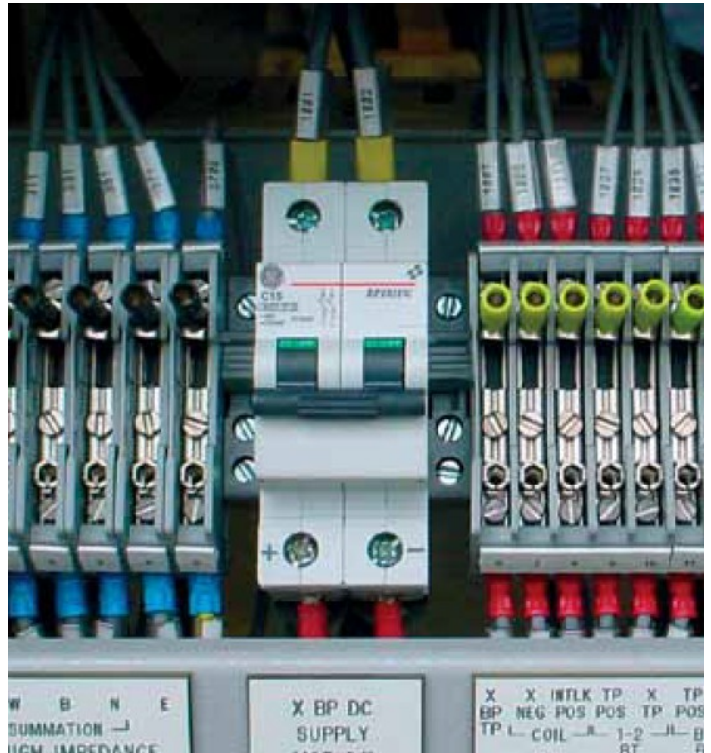


Pre-Insulated Terminals

CABAC offer a comprehensive range of pre-insulated terminals that are continually being developed to meet the requirements of developments in switchgear, contactors, terminal blocks, etc. In more recent years terminals have been decreasing in size, and a new range of 0.5mm tab thickness quick connectors has been developed. The range of bootlace pins has been increased with the introduction of the 0.3mm² range of terminals. CABAC terminals are high quality 300V terminals with many advanced features for ease of use including:

- 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 quality crimper that is designed to crimp the specific terminal type. If unsure of the terminal/conductor/crimper combination refer to the recommended list of tools 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.

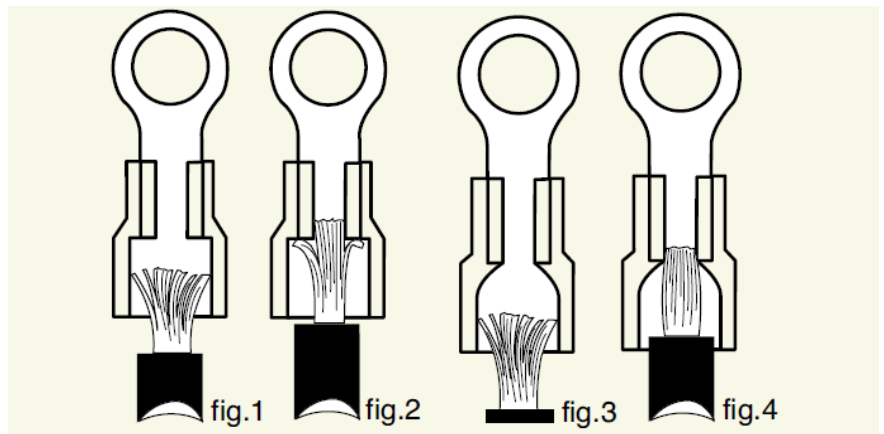


Funnel Entry

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

Funnel Entry:

- Speeds wire insertion
- Avoids strand fold back minimising short-circuit risks
- Reduces stripping tolerances
- Speeds and simplifies 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 funnelled into the terminal barrel.

Fig. 4

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

Pre-Insulated Terminals

Specification

Nominal Current Ratings

Terminal colour	Yellow	Red	Blue	Yellow
Conductor Range (mm ²)	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 suggestion 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 ²)	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

Nominal Pull Out Force

Wire Size (mm ²)	Pull out force kg (N)
0.25	4.6 (45)
0.5	6 (59)
0.75	8.6 (84)
1	10.1 (100)
1.5	13.2 (130)
2.5	19.6 (192)
4	26.5 (260)
6	35.2 (345)

*Pull out should be checked
for each*

Tool/terminal combination

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

Working Temperature

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

Insulation

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

Torque Recommendations

For metric hardware - 8.8 tensile grade.

Thread dia (mm) Torque (Nm)

3	2
4	3
5	5
6	9
8	22
10	44
12	77

Standards

Terminals are compliant with the following 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

Pre-Insulated Terminals

RED
Conductor Size 0.5-1.6mm²

RING TERMINAL

RT Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
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	

FORKED SPADE

FS Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
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

PIN CONNECTOR

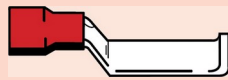
PC Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	100	PC1.25	PC1.25DG

LIP BLADE

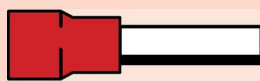
LB Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Width 3mm	50	LB1.25-3	LB1.25-3DG
Width 5mm	50		LB1.25-5G

FLAT BLADE

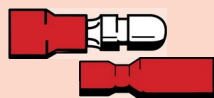
FB Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Dim 1.9x11.7	100	FB1.25-2	FB1.25-2DG
Dim 2.3x17	100	FB1.25-2.3/17	
Dim 3x12	100	FB1.25-3	FB1.25-2DG

BULLET CONNECTOR

BC Range RED



STUD SIZE	PACK QTY	M/F	DOUBLE GRIP
4mm Bullet	100	Male	MBC1.25DG
	25	Female	FBC1.25DG

BLUE
Conductor Size 1.0-2.6mm²

RING TERMINAL

RT Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
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

FORKED SPADE

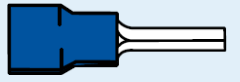
FS Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
M3	100	FS2-3	FS2-3DG
M4	100	FS2-4	FS2-4DG
M5	50	FS2-5	FS2-5DG
M6	50	FS2-6	FS2-6DG

PIN CONNECTOR

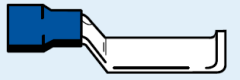
PC Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	100	PC2	PC2DG

LIP BLADE

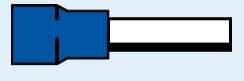
LB Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Width 3mm	50	LB2-3	LB2-3DG
Width 5mm	50		LB2-5DG

FLAT BLADE

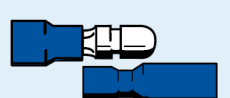
FB Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Dim 1.9x11.7	100	FB2-2.5	FB2-2.5DG
Dim 2.3x17	100	FB2-2.5/17	
Dim 3x12	100	FB2-3.5	FB1.25-2DG

BULLET CONNECTOR

BC Range BLUE



STUD SIZE	PACK QTY	M/F	DOUBLE GRIP
5mm Bullet	100	Male	MBC2DG
	25	Female	FBC2DG

Pre-Insulated Terminals

RED Conductor Size 0.5-1.6mm²

IN LINE SPLICE

ILS Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
4mm Bullet	50	ILS1.25	ILS1.25DG
5mm Bullet			

Quick CONNECTOR

QC Range RED

TAB SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Tab 6.4x0.8mm	100		PB1.25-6.4DG
Tab 2.8x0.5mm	100		QC1.25-2.8/5DG
Tab 2.8x0.8mm	100		QC1.25-2.8DG
Tab 4.8x0.5mm	100		QC1.25-4.8/5DG
Tab 4.8x0.8mm	100		QC1.25-4.8DG
Tab 6.4x0.8mm	100		QC1.25-6.4DG
Tab 4.8x0.5mm	50	FIQC1.25-4.8/5	
Tab 6.4x0.8mm	50		FIQC1.25-6.4DG
Tab 6.4x0.8mm	100		MT1.25-6.4DG
Tab 6.4x0.8mm	50		FIMT1.25-6.4DG
Tab 6.4x0.8mm	25	FIFQC1.25-6.4	*

*Requires KFLAG Tool

END CONNECTOR

EC Range RED



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	50	EC1.25	

BLUE Conductor Size 1.0-2.6mm²

IN LINE SPLICE

ILS Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
4mm Bullet			
5mm Bullet	50		ILS2DG

Quick CONNECTOR

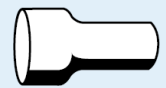
QC Range BLUE

TAB SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Tab 6.4x0.8mm	50		PB2-6.4DG
Tab 2.8x0.5mm			
Tab 2.8x0.8mm	100		QC2-2.8DG
Tab 4.8x0.5mm	100		QC2-4.8/5DG
Tab 4.8x0.8mm	100		QC2-4.8DG
Tab 6.4x0.8mm	50		QC2-6.4DG
Tab 4.8x0.5mm	50	FIQC2-4.8/5	
Tab 6.4x0.8mm	50		FIQC2-6.4DG
Tab 6.4x0.8mm	100		MT2-6.4DG
Tab 6.4x0.8mm	50		FIMT2-6.4DG
Tab 6.4x0.8mm	25	FIFQC2-6.4	*

* Requires KFLAG Tool

END CONNECTOR

EC Range BLUE



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	50	EC2	

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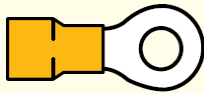
InfoComm Engineering
10 Irvine Cres Frankston VIC 3199
Ph: 03 9789 3547
Email: infocomm@coolice.com.au
<https://www.coolice.com.au/catalog>

Pre-Insulated Terminals

Yellow
Conductor Size 2.5-6.0mm²

RING TERMINAL

RT Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
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

Yellow
Conductor Size 2.5-6.0mm²

IN LINE SPLICE

ILS Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	25	ILS5.5	ILS5.5DG

FORKED SPADE

FS Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
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

Quick CONNECTOR

QC Range Yellow

TAB SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Tab 6.4x0.8mm	50		QC5.5-6.4DG
Tab 4.8x0.5mm	50		MT5.5-6.4DG
Tab 4.8x0.8mm	25		FIQC5.5-6.4DG
Tab 6.4x0.8mm	25		FIMT5.5-6.4DG
Tab 9.5	25		QC5.5-9.5DG

PIN CONNECTOR

PC Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	50	PC5.5	PC5.5DG

END CONNECTOR

EC Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
	25	EC5.5	

LIP BLADE

LB Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Width 5mm	50		LB5.5-5DG

FLAT BLADE

FB Range Yellow



STUD SIZE	PACK QTY	SINGLE GRIP	DOUBLE GRIP
Dim 2.9x16.6	50	FB5.5-3	FB5.5-3DG
Dim 4x12	50	FB5.5-4	FB5.5-4DG