DIST

APPLICATION SPECIFICATION

ECONOSEAL 3 LOW CURRENT

SCOPE

This specification covers the assembly of the tabs and receptacles into their respective housings and the crimping requirements of these contacts.

Please note, this specification covers a <u>sealed</u> system and an <u>unsealed</u> system.

GENERAL

The Econoseal 3 Low Current system uses .070" (1.8mm) series tabs and receptacles. These contacts are suitable for thin walled cables from 0.5 to 1.5mm², and also 2.0mm² where larger cables are necessary to reduce volt drop.

For the <u>sealed</u> connector requirements, each cable is inserted into a discrete cable seal prior to being crimped into the contact. The insulation barrel is crimped so that the cable seal is gripped sufficiently to stop any movement of the seal on the cable.

For the <u>unsealed</u> connector requirements, discrete cable seals are <u>not</u> required. The cables are crimped in the normal way.

Please note that these tabs and receptacles are only suitable for <u>single</u> cables, whether seals are required or not, with the exception of a special requirement for the tab. This special requirement is for $2 \times 0.5 \text{mm}^2$ cables, unsealed, to be crimped.

There is no requirement for double cables to be crimped into the receptacle.

D C B	Updated ECN S0057 Updated ECN S0003 Updated ECN S0001 Sheet 6 Modified	RS RS RS	23/5/ 30/8/ 8/8/8	PR R. SIMM		TERMINAL HOU STANMORE, of Great Britain Ltd. MIDDLESEX.	-
	(Clarified Ins Size for Seals)		07070	APP D. JOHNE	S. bo.5· 8 9.	114 3040	REV D
0 1	Release for Prod Tentative	RS RS	26/5/ 5/4/8	i Sheel i		APPLICATION SPECIFICATION	
LTR	REVISION RECORD	APP	DATE	1 5, 22		ECONOSEAL 3 LOW CURRENT	

The insulation barrel is crimped with an 'O' crimper when discrete cable seals are used. The insulation barrel is crimped with an 'OL' (Over-lap) crimper when single cables are used, without seals.

For the special requirement of 2 x 0.5mm^2 cables an 'F' crimper should be used. (Double cables cannot be sealed).

For sealed connectors, the receptacle half is an assembly that comprises a receptacle housing and a peripheral seal, which seals the interface between tab and receptacle housing. These assemblies have unique part numbers. The receptacle housing part numbers used in these assemblies are common for sealed or unsealed applications. The tab housing part numbers are common for sealed or unsealed applications.

For unsealed connectors, peripheral and cable seals are not required.

Contacts (tabs or receptacles - with or without seals) are inserted into the housings, which have a "resin" lance in each cavity that retains the contact.

Please note that it may be necessary, when hand inserting terminated contacts (sealed or unsealed), to support the smaller cables (0.5mm² to 1.0mm²), with a suitable tool such as smooth-jawed pliers to prevent buckling of the cable. For automatic assembly the insertion tool may have to grip the cable in the same area, just behind the seal or the insulation barrel.

For ease of insertion of contact into cavity, the angle of entry shall be $5^{\circ}/0^{\circ}$ to the centre line of the bore.

Please Note:

All sealing flanges of the cable seal shall be contained within the bore of the housing, but, it is acceptable if the end flange protrudes from the bore although NOT preferable.

	LOC		NO	REV	I
of Great Britain Ltd. MIDDLESEX.	E	SHEET 2 OF 22	114-3040	D	

When all contacts are in their correct position within the cavities, a secondary locking component (antibackout), can be inserted and "clicked" into position. If the contacts are <u>not</u> in their correct position, difficulty will be experienced when inserting the antibackout. This must be investigated. The cause, apart from obviously damaged parts, will be that the contacts are not quite fully inserted, and it will be seen that the resin lance is in an upwards deflected position. The back end of the insulation barrel or the seal may or may not be protruding beyond the back of the cavity.

If the anti-backout "clicks" home, there may still be a problem with under insertion of the contact, but this will be obvious because the contact or seal will be protruding from the back of the cavity.

The problem of contacts not being positioned correctly will be obviated by automatic assembly of the contacts. The assembly equipment must be capable of inserting the contacts and testing that they are correctly retained, by pulling back on the cable with a small force, not exceeding 10 Newtons.

The secondary locking component (anti-backout) can also be inserted automatically. It is inserted into the front of the housing and ensures that the "resin" lances are fully locked behind the contacts, giving added security to the retention of the contacts. In addition, it helps to align the tabs and receptacle when mating connector halves.

A flat faced tool, that is suitably shaped, may be used to push on the rim of the "cup" shaped <u>tab</u> housing antibackout, when inserting it into the tab housing. Care must be taken not to damage tabs. Likewise, any flat faced tool of suitable size may be used when inserting the receptacle housing anti-backout.

To remove the contacts from the housings, the antibackouts must first be removed.

To remove the tab housing anti-backout, a small screwdriver shall be inserted into the slot(s) in the side of the anti-backout in order to lever it out (maximum width of screwdriver blade to be 3mm).

	roc		NO	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 3 OF 22	114-3040	D

The receptacle housing anti-backout shall be removed by gently easing the flange of the anti-backout out of the housing with a small screwdriver (maximum width of screwdriver blade to be 3mm).

With the anti-backouts removed, the tabs and receptacles can be extracted by using Tool, PN 345338-1, to lift the resin lance clear of the contacts. (SEE FIGURE 1)

When extracting the receptacle, the tip of the tool should be carefully run across the top of the receptacle until stopped by the resin lance. The handle of the tool should then be pushed downwards until it is horizontal. (The shoulders on the tool act as a pivot point on the housing rails). This action will raise the resin lance, enabling the receptacle to be extracted.

When extracting the tab, the same tool can be used to LIFT the resin lance, but, in this case, the tool is not pushed downwards, but lifted.

PUSH TOOL DOWN TO HORIZONTAL POSITION,

INTO CONTACT AREA.

DO NOT INSERT TOOL

DO NOT DEFORM TAB
WHEN EXTRACTING.

FIGURE 1

	LOC		NO	REV
of Great Britain Ltd. MIDDLESEX	E	SHEET 4 OF 22	114-3040	D

The following Part Numbers shall be governed under this specification:-

```
2 Way Rec. Hsg. Assy. (with seal)
3 Way Rec. Hsg. Assy. (with seal)
4 Way Rec. Hsg. Assy. (with seal)
6 Way Rec. Hsg. Assy. (with seal)
13 Way Rec. Hsg. Assy. (with seal)
                                                         344276
                                                         344273
                                                         344270
                                                         344267
                                                         344263
2 Way Rec. Hsg. (without seal)
3 Way Rec. Hsg. (without seal)
4 Way Rec. Hsg. (without seal)
6 Way Rec. Hsg. (without seal)
13 Way Rec. Hsg. (without seal)
                                                        344275
                                                        344272
                                                        344269
                                                        344266
                                                        344262
2 Way Tab Hsq.
                                                        344274
3 Way Tab Hsg.
                                                        344271
4 Way Tab Hsq.
                                                        344268
6 Way Tab Hsg.
                                                        344265
13 Way Tab Hsq.
                                                        344260
                      (flanged)
(Panel Mount)
*6 Way Tab Hsg.
                                                        344325
**6 Way Tab Hsg.
                                                        346030
2 Way Rec. Hsg. Anti-backout
                                                        345254-1
3 Way Rec. Hsg. Anti-backout
                                                        345256-1
4 Way Rec. Hsg. Anti-backout
                                                        345258-1
6 Way Rec. Hsg. Anti-backout
                                                        345260-1
13 Way Rec. Hsq. Anti-backout
                                                        344264-1
2 Way Tab Hsg. Anti-backout
                                                        345253-1
3 Way Tab Hsg. Anti-backout
                                                        345255-1
4 Way Tab Hsg. Anti-backout
                                                        345257-1
6 Way Tab Hsg. Anti-backout
                                                        345259-1
13 Way Tab Hsg. Anti-backout
                                                        344261-1
```

- * The 6 Way Tab Housing, 344325, uses the above anti-backout 345259-1. Please note that this tab housing is for use on a stepper motor and mates with <u>sealed</u> receptacle housing 344267, which uses anti-backout 345260-1.
- ** The 6 way tab housing, 346030, uses the above antibackout 345259-1. Please note that this tab housing is for use on a sealed headlamp, and therefore includes a gasket seal. This part mates with <u>sealed</u> receptacle housing 344267, which uses anti-backout 345260-1.

```
.070" Series Rec. (0.2 to 0.5mm<sup>2</sup>) 345808-1 (171630-1)
.070" Series Tab (0.2 to 0.5mm<sup>2</sup>) 345809-1 (171631-1)
.070" Series Rec. (0.75 to 2.0mm<sup>2</sup>) 345806-1 (171662-1)
.070" Series Tab (0.75 to 2.0mm<sup>2</sup>) 345807-1 (171661-1)
```

	LOC		NO	REV
of Great Britain Ltd. TERMINAL HOUSE, STANMORE, MIDDLESEX.	E	SHEET 5 OF 22	114-3040	D

Please note that 2.0mm² cable, used only to reduce voltage drop, may also be crimped into the above contacts. These contacts are suitable for use with single thin walled non-irradiated cables, as specified in BLS.62.21.688 Issue No.1, and may be used for sealed or unsealed applications. Double cable application of 2 x 0.5mm² may also be crimped in the above tab, 345807-1 (special requirement). Double cable applications cannot be sealed.

The above contacts are Tin Plated.

*** Wire Seal for 0.5 to 1.5mm² cable - 172746-1

**** Wire Seal for 2.0mm² cable - 172888-2

Blanking plug - 172748-2

*** Please note that seal PN. 172746-1 is suitable for cables with insulation diameters of 1.6mm minimum and upto, and including 2.4mm.

**** The seal PN. 172888-2 is only suitable for cables with insulation diameters of above 2.4mm and upto a maximum of 2.7mm.

Blanking plug, 172748-2, must be used for blanking off cavities, in sealed connectors, where they are not fully loaded.

These plugs can also be assembled automatically.

	LOC		NO	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 6 OF 22	114-3040	D

This specification also governs the Wire-to-Board (Econoseal 3 Low Current) sealed connector system.

Part Numbers are as follows:-

36 Way Header 18 Way Header	344108-1 344103-1
(Both headers have inmoulded tabs).	
36 Way Rec. Hsg. Assy. (with seal) 18 Way Rec. Hsg. Assy. (with seal).	344111-1 344106-1
36 Way Rec. Hsg. Anti-backout 18 Way Tab Hsg. Anti-backout	344112-1 344107-1
.070" Series Rec. (0.5 to 2.0mm ²)	344113-1

<u>Please Note:</u> This receptacle is similar to 345806-1, but has modified internal beams, which reduce the insertion force of the receptacle onto the header tabs. It also is gold plated on the contact areas. Apart from these differences, this receptacle can be used with the same cables (including 0.5mm²) and seals as 345806-1.

The blanking plug, 172748-2, shall also be used to blank off unused cavities in the receptacle housing. Antibackouts and receptacles can be removed from the receptacle housing using the same method as previously stated for wire-to-wire connectors.

N.B. UNDER NO CIRCUMSTANCES MUST TIN PLATED RECEPTACLES BE USED FOR THIS WIRE-TO-BOARD SYSTEM.

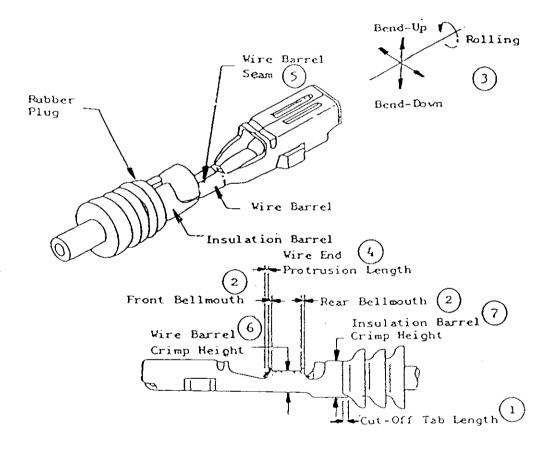
LIKEWISE, GOLD PLATED RECEPTACLES MUST NOT BE USED ON THE WIRE-TO-WIRE SYSTEM.

	roc	·	NO	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 7 OF 22	114-3040	D

1. <u>CRIMPING</u>

The following information contains nomenclature, crimping conditions, crimp data for miniapplicators and handtools, installation of rubber seals on cables, correction or replacement of parts and checks.

1.1 NOMENCLATURE



Note: Nomenclature is the same for tab or receptacle, and for sealed or unsealed terminations.

	LOC		NO	REV
of Great Britain Ltd. MIDDLESEX.	Ε	SHEET 8 O F 22	114-3040	D
1	•		Ī	1

2. CRIMPING CONDITIONS

Refer to nomenclature (Clause 1.1.)

Cut-off tab length

0.5mm max.

2. Front bellmouth Rear bellmouth

0.3mm max. 0.2 to 0.6mm

3. Bend up Bend down Twisting Rolling

1° max. 3° max. 5° max. 5° max.

4. Cable end protrusion length (brush length) 0 to 1.0mm

5. Insulation stripping length

4.0 to 4.5mm

Wire barrel seam must be neatly closed. 6.

7. Wire barrel flash

0.25 max.

Cable strands and insulation must be visible in the transition area (between wire and insulation barrel), for cables crimped without seals.

AMP	TERMIN STAN
of Great Britain Ltd.	MIDE

AL HOUSE, NMORE, DLESEX.

LOC

E

SHEET 9 **OF** 22 NO

114-3040

REV

D

3. CRIMP DATA

- 3.1 For applicator crimping of tabs and receptacles with seals see Figures 5, 6 and 9.
- 3.2 For applicator crimping of tabs and receptacles without seals see Figures 7, 8 and 10.
- 3.3 For handtool crimping of tabs and receptacles with seals see Figures 5 and 6.
- 3.4 For handtool crimping of tabs and receptacles without seals see Figures 7 and 8.

NOTES:

- a. Handtools are not available for double cable applications.
- b. To assist insertion of cables into the cable seals, an "attaching jig" shall be used, Part No. 753812-2 (AMP Japan). See Fig. 11.
- c. For automatic assembly of seal onto cable a S.C.A.T. machine may be used.

	FOC		NO	REV
of Great Britain Ltd. TERMINAL HOUSE, STANMORE, MIDDLESEX.	E	SHEET 10 OF 22	114-3040	D

4. <u>INSTALLATION OF RUBBER SEAL ON THE CABLE</u>

When the rubber seal is installed on the cable, the end of the cable insulation shall ideally be positioned +1,0 to -0,5mm from the edge of the rubber seal, as shown in Figure 2. This length is common to tabs and receptacles regardless of cable size, and is intended for reference only. The position of the crimped seal, shown in figure 4, must be maintained and over-rides the dimension in figure 2.

NOTE: Seals are supplied lubricated. This lubrication must not be removed.

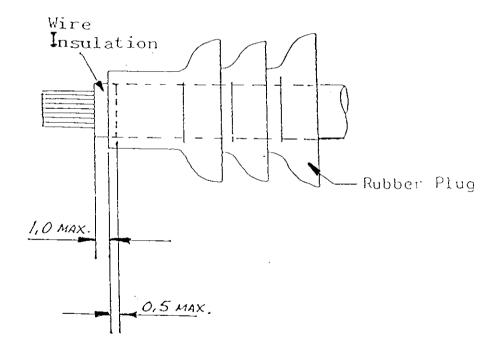


FIGURE 2 (REF. ONLY)

	LOC		NO	REV
of Greet Britain Ltd. MIDDLESEX	E	SHEET 11 OF 22	114-3040	D

5. <u>CORRECTION OR REPLACEMENT OF PARTS</u>

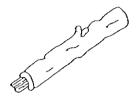
When defects and/or improper applications are found on parts to be installed, as shown in Figure 3, rework to reform properly, or replace with new part.



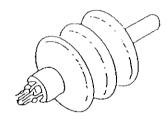
The end of the cut wire shall appear neat without disorder and bend of stranded conductor.



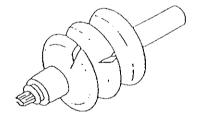
The conductor shall be free from nick, cut and scrape.



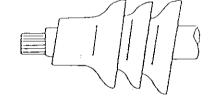
The wire insulation must have intact and smooth surface in a round form without damage, groove or recessed surface.



The end of the wire shall be straight without bend and disorder after it passed through the rubber plug. The bent wire shall be checked out.



The flanges of the rubber plug shall be free from cut and damage. Any plug having such defects shall be discarded, and replaced with new part.

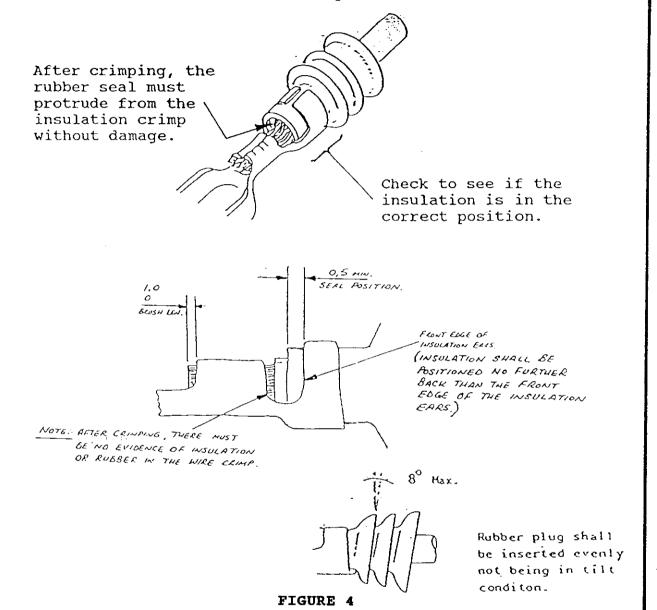


Installation of rubber plug shall be done straight and evenly. If flanges are in tilt condition, the plug must be corrected so that flanges are perpendicular to contact axis.

FIGURE 3

	roc		NO	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 12 OF 22	114-3040	D

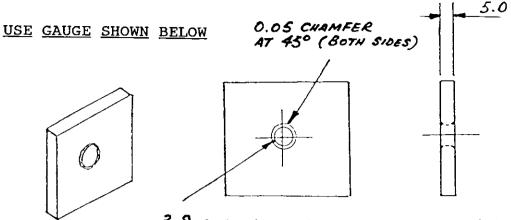
5.1 After crimping, that part of the insulation of the cable that is inside the seal shall be in good condition. Check by visual inspection in the transition area (between wire and insulation barrel), as indicated in Figure 4.



5.2. Crimped contacts should appear as illustrated in Clause 1.1. (Nomenclature).

	LOC		NO	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 13 OF 22	114-3040	D

5.3 Retention of seals, by insulation crimp



3.9 DIA. HOLE FOR CABLES UP TO 1.5 mm².
4.1 DIA. HOLE FOR 2.0 mm² CABLE

Pass crimped tab or receptacle through the hole, so that seal stops against face of gauge.

Then pull on the contact, straight and steadily, and measure the force to either,

- (a) Pull the seal through the hole without damage.
- (b) Wholly or partially dislodge the seal from the insulation crimp.
- (c) Tear seal.

This should not take place at a force of less than 10 Newtons, (this value is tentative - and a statistically based test is to be done).

NOTE: This test is destructive.

	LOC		NO	REV
of Great Britain Ltd. TERMINAL HOUSE, STANMORE, MIDDLESEX.	E	SHEET 14 OF 22	114-3040	Đ

6. <u>OVERLAP</u> <u>CRIMPING</u>

For overlap crimping of tabs and receptacles see Crimp Inspection Sheet G.B. 3005, for additional information, but only refer to that part of the sheet that concerns <u>single</u> cable. The insulation crimp form for double cable shall be 'F' crimp. (Cables side-by-side).

7. APPLICABLE CABLES AND TENSILE STRENGTH

Wire Size mm² (Nominal)	Dia. of Insulation mm	Tensile (N)
0.5	1.6 to 1.8	65 min.
0.75	1.9 max	85 min.
1.0	2.1 max	105 min.
1.5	2.4 max	160 min.
2.0	2.7 max	160 min.

8. ADDITIONAL INFORMATION

	APPLI	CABLE CONTACTS	
STRIP	ITEMS	LOOSE PIECE	SEALED OR
G.B.	JAPANESE	G.B.	UNSEALED APPLICATIONS
345807-1	171661-1	345148-1	SEALED
345806-1	171662-1	345150-1	
345807-1	171661-1	345149-1	UNSEALED
345806-1	171662-1	345151-1	
345809-1	171631-1	345951-1	SEALED
345808-1	171630-1	345949-1	
345809-1	171631-1	345952-1	UNSEALED
345808-1	171630-1	345950-1	

	FOC		МО	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 15 OF 22	114-3040	D

_
SEAL.)
WIRE
WITH
USE
(FOR
DIMENSIONS
CRIMP
WIRE
100 L
HAND

FIGURE 5

525317-6

0

0

3.4

2.9

<u>u</u>

0.5 1.6 - 1.8 1.14 1.57

345949-1

Part Number			3	re Barre	Wire Barrel Crimp		Insulat	Insulation Barrel	rel Crimp		Log
	Size	Diameter	Height ±.05	Width (Ref)	Type Crimper Anvit	S Anvit	Height (Ref)	Width (Ref)	Type Crimper /	Pe Anvil	No.
	1.5	2.3 - 2.4	1.57	2.29	L	u	3.6	3.7	0	0	
345R07-1	1.0	2.0 - 2.1	1.37	2.29	ii.	ш	3.4	3.7	0	0	
(171661-1)	0.75	1.85 - 1.9	1.30	2.29	u.	4.	3.3	3.7	0	0	
*	0.5	1.6 - 1.8	1.19	2.29	ı	ıL	3.2	3.7	0	0	
27.5904-1	1.5	2.3 - 2.4	1.5	2.29	L	L	3.6	3.7	0	0	
(171662-1)	1.0	2.0 - 2.1	1.32	2.29	Ŀ	u.	3.3	3.7	0	0	
344113-1	0.75	1.85 - 1.9	1.22	2.29	L	u.	3.2	3.7	0	0	
* *	0.5	1.6 - 1.8	1.14	2.29	ш	4	3.1	3.7	0	0	
* SEE FIGURE 9		AUT ** SEE F	AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS (FOR USE WITH WIRE SEAL)	CHINE VI	RE CRIMP	DIMENS	TONS (FO	R USE WI	TH WIRE S	EAL)	
Part Number		Inculation	3	Wire Barrel Crimp	l Crimp		Insula	tion Bar	Insulation Barrel Crimp		Hand Tool
(LOOSE PIECE)	Size		Height ±.05	Width (Ref)	Type Crimper Anvil	Type er Anvil	Height (Ref)	Width (Ref)	Crimper	Type r Anvil	Part No.
2/51/0 1	1.0	2.0 - 2.1	,								
1-041.740	0.75	1.85 - 1.9	- - -	۲.٤٧	.	.		3.7	0	0	525317-2
345951-1	0.5	1.6 - 1.8	1.19	1.57	Ľ.	Ŀ	2.9	3.4	0	0	525317-6
	1.0	20-21									
345150-1	0.73		1.37	2.29	Ŀ	L.	3.1	3.7	0	0	525317-2

	LOC		NO	REV
of Great Britain Ltd. MIDDLESEX.	E	SHEET 16 OF 22	114-3040	D

		T		-	_	 _		_
Log	No.					-		
	Anvil	0	0					
Insulation Barrel Crimp	Width Type (Ref) Crimper Anvil	0	0					
ion Bar	Width (Ref)	3.7	3.7					
Insulat	Height (Ref)	3.6	3.6			 		
	pe Anvil	L	u.					
Wire Barrel Crimp	Width Type Height (Ref)	ı	<u>u.</u>					
lire Barı	Width (Ref)	2.29	2.29					
	Height ±.05	1.75	1.70					
Insulation		2.7 max	2.7 тах	,				
5	Size	2.0	2.0					
Part Number		345807-1 (171661-1)	345806-1 (171662-1) AND/OR 344113-1					

SEAL)
¥1RE
ELIM
USE
(FOR
DIMENSIONS
CRIMP
¥1RE
MACHINE
AUTOMATIC

Piece)		ine i te i con	Wi	Wire Barrel Crimp	l Crimp		Insulat	ion Bar	Insulation Barrel Crimp		Hand Tool
	Size	Diameter	Height ±.05	Width (Ref)	Width Type (Ref) Crimper Anvil	Se Anvit	Height (Ref)	Width (Ref)	Width Type (Ref) Crimper Anvil	æ Anvil	Part No.
1,51/8-1	2.0	2.7 MAX	1	,							
04	1.5	2.3 - 2.4	<u>. (</u>	62.2	.	<u>.</u>	3.5	3.7	0	0	525317-4
775150-1	2.0	2.7 MAX									
-001040	1.5	2.3 - 2.4	6	67.7	<u>.</u>	<u>.</u>	3.5	3.7	0	0	525317-4

HANDTOOL WIRE CRIMP DIMENSIONS (FOR USE WITH WIRE SEAL FIGURE 6

	roc		NO	REV
of Greet Britain Ltd. MIDDLESEX.	E	SHEET 17 OF 22	114-3040	D

			l			П					1
Log	NO.										
	e Anvil	0	0	0	0		0	0	0	0	
Insulation Barrel Crimp	Width Type (Ref) Crimper	SP.F	SP.F	SP.F	SP.F		SP.F	SP.F	SP.F	SP.F	
ion Barı		4.06	7.06	4.06	4.06		4.06	4.06	7.06	4.06	
Insulat	Height (Ref)	2.70	2.45	2.40	2.35		2.65	2.40	2.35	2.30	
	Type er Anvil	ш	u.	ш	u.		 ıŁ	ш	u	ı.	
Wire Barrel Crimp	Width Type (Ref) Crimper Anvil	ட	u.	ட	u_		ł	J	٤	u.	
re Barr	Width (Ref)	2.29	2.29	2.29	2.29		2.29	2.29	2.29	2.29	
M	Height ±.05	1.57	1.37	1.30	1.19		1.5	1.32	1.22	1.14	
Trentation		2.3 - 2.4	2.0 - 2.1	1.85 - 1.9	1.6 - 1.8		2.3 - 2.4	2.0 - 2.1	1.85 - 1.9	1.6 - 1.8	
:	Size	1.5	1.0	0.75	0.5		1.5	1.0	0.75	0.5	
Part Number			27.5807_1	(171661-1)	*			77.5804.1	(171662-1)	*	

AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS (NO CABLE SEAL)

Hand Tool 525317-1 525317-5 525317-1 525317-5 Part No. Type Crimper | Anvil 0 0 0 0 Insulation Barrel Crimp SCROLL SCROLL SP.F SP.F Width (Ref) 3.56 4.06 3.56 4.06 Height (Ref) 5.4 2.4 5.4 5.4 Type Crimper Anvil ш ш. Wire Barrel Crimp **u**. **L** Width (Ref) 2.29 2.29 1.57 1.57 Height ±0.5 1.19 1.40 1.14 1.37 Insulation Diameter mm 1.85 - 1.9 1.85 - 1.9 2.0 - 2.1 1.6 - 1.8 2.0 - 2.1 1.6 - 1.8 6.73 Wire Size ٠. بر 0.5 0: 0.5 1.0 Part Number 345952-1 345151-1 345950-1 345149-1 (Loose Piece)

HAND TOOL WIRE CRIMP DIMENSIONS (NO CABLE SEAL)

FIGURE 7

	roc		NO	REV
of Great Britain Ltd. TERMINAL HOUSE, STANMORE, MIDDLESEX.	E	SHEET 18 OF 22	114-3040	D

*See Figure 10

Part Number			E.	re Barr	Wire Barrel Crimp		Insulat	ion Barı	Insulation Barrel Crimp		Log	
	Size	Insulation Diameter	Height ±.05	Width (Ref)	Width Type (Ref) Crimper Anvil	De Anvil	Height Width (Ref)		Width Type (Ref) Crimper Anvil	Anvil	No.	
345807-1 (171661-1)	0.5 + 0.5	345807-1 0.5 + 0.5 *1.7 + 1.7 (171661-1)	1.37	2.29	L.	L.	2.18	7.06	LL.	iL.		1
345807-1 (171661-1)	2.0	2.7 max	1.3	2.29	ш	L.	3.0	7.06	SP.F	0		ī
345806-1 (171662-1)	2.0	2.7 max	1.70	2.29	u.	L.	3.0	4.06	SP.F	0		1
										:		
MOTTA HISH TABLE HAS TASH ATTOM	I LAC THE	HATTON	114	TOMOT	STANDARD TO MACUTUS LITTE COIND DIMENSTONS (NO CAS) S CEAL)	7 3017	TWD DIME	No tone	BIORD UN.	CEAL)		

* 0.5mm² CABLE HAS INSULATION O/DIA. OF 1.6 TO 1.8MM.

AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS (NO CABLE SEAL)

	3		ire Barr	Wire Barrel Crimp		Insulat	ion Bar	Insulation Barrel Crimp		Hand Tool	
	Size Diameter	Height ±.05	Width (Ref)	Width Type (Ref) Crimper Anvil	pe Anvil	Height (Ref)	Width (Ref)	Width Type (Ref) Crimper Anvil	pe Anvil	Part No.	
	2.7 шах	7	200	u	ú	37.0	70 7	8	Ç	52577.3	
	2.3 - 2.4	2:	6.27	_	L	6.3)	6-116676	
I	2.7 max	1 45	, 000	Ц	ь	3 45	70 7 27 6	9	c	525317.3	
	2.3 - 2.4	3	6.57		-	9	;		>		
ıl											
- 1											
ł .											
ı											

HAND TOOL WIRE CRIMP DIMENSIONS (NO CABLE SEAL)

FIGURE 8

	LOC		NO	REV
of Great Britain Ltd. TERMINAL HOUSE, STANMORE, MIDDLESEX.	Ε	SHEET 19 OF 22	114-3040	D

Part Number	1			Wir	e Barre	Wire Barrel Crimp		Insulat	ion Barr	Insulation Barrel Crimp		Log	
	Size	Diameter	# # #	ight 05	Width (Ref)	Ty Crimper	Pe Anvil	Height (Ref)	Width (Ref)	Height Width Type Height Width Type ±.05 (Ref) Crimper Anvil (Ref) (Ref) Crimper Anvil	Anvit	No.	
345808-1 (171630-1)	0.5	1.6 - 1.8		- 14	1.14 1.57 F	ıL	ш	3.2 3.7	3.7	0	0		
345809-1 (171631-1)	0.5	1.6 - 1.8		.2	1.2 1.57 F	ıL	14.	F 3.3 3.7	3.7	0	0		
-		-											

The above contact part numbers are preferred for the termination of 0.5mm² cable.

Contact Part Number 344113-1 (Gold Plated) must still be used for terminating 0.5mm² cable, as shown in figure 5.

Please Note:

AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS (FOR USE WITH WIRE SEAL)

		ž	re Barr	Wire Barrel Crimp		Insulat	ion Barı	Insulation Barrel Crimp		Log
Diameter Length	o E	Height ±.05	(Ref)	(Ref) Crimper Anvil (Ref) (Ref) Crimper Anvil	pe Anvil	Height (Ref)	Width (Ref)	Ty Crimper	Anvit	No.
								:		

Figure 9

	LOC		NO	REV
TERMINAL HOUSE, STANMORE, of Great Britain Ltd. MIDDLESEX.	E	SHEET 20 OF 22	114-3040	D

Part Number			<u>5</u>	ire Barre	Wire Barrel Crimp	,	Insulat	ion Bar	Insulation Barrel Crimp		Log
Size	Diameter		Height ±.05	Width (Ref)	Tyr Crimper	X Anvil	Height (Ref)	Width (Ref)	Height Width Type Height Width Type ±.05 (Ref) Crimper Anvil (Ref) (Ref) Crimper Anvil	e Anvil	
0.5	1.6 - 1.8		1.14	1.14 1.57 F	IL.	L	2.4	3.56	2.4 3.56 SCROLL	o	
0.5	1,6 - 1.8		1.2	1.2 1.57 F	u_	L	5.4	3.56	F 2.4 3.56 SCROLL	0	
sct pg	The above contact part numbers are preferred for the termination of 0.5mm² cable.	e preferred	for the te	erminatio	on of 0.51	mm² cab	le.			·	

AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS (NO CABLE SEAL)

Log	No.							
	e Anvil							
Insulation Barrel Crimp	Width Type Height Width Type (Ref) Crimper Anvil							
ion Barr	Width (Ref)							
Insulat	Height (Ref)							
	Pe Anvil							
Wire Barrel Crimp	Tyl Crimper							
re Barre	width (Ref)							
i,	Height 1 ±.05							
							 ļ	_
	Diameter							
	Size	 -						
Part Number				-				

Figure 10

	LOC		NO	REV
APP TERMINAL HOUSE, STANMORE,	E	SHEET		
of Great Britain Ltd. MIDDLESEX.		21 OF 22	114-3040	D

