

## B-106 Series

DuraSeal®

### Heat Shrinkable, Crimp Terminals

DuraSeal products insulate and protect electrical connections for numerous applications including;

- Automotive wiring repair and maintenance.
- OEM wire harness fabrication
- Marine electronics
- Fleet maintenance
- Commercial wiring

### Features & Benefits

- Resistance to moisture and abrasion
- Strain relief
- Protection from wire pull-out
- Easy installation
- Offers protection from water, condensation, salt and corrosion.
- Colour coded for identification.
- Transparent for inspection of the finished item.
- Adhesive lined.



### Specifications & Approvals

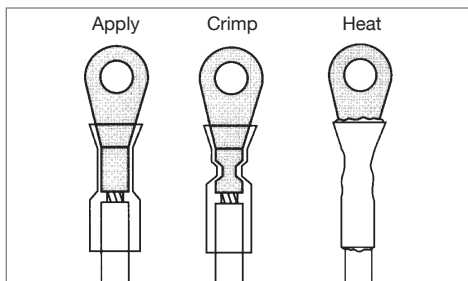
- UL and CUL 91J4, File E87681
- Lloyds listed, File 65 247 HH 02-93
- UL & CUL E157833 (B106-3 & B106-4 series)
- RB-108

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Product Characteristics	Product Performance
Operating temperature	-55°C to +125°C
Minimum shrink temperature	180°C
Cut through resistance	31.7kg
Wire pull out after crimping and recovery	Red: 11.3 kg; Blue: 22.7 kg; Yellow: 27.2 kg
Chemical to ASTM D 3032, ESA-603D	Diesel fuel; Brake fluid; Antifreeze; 5% salt water; Motor oil
Chemical resistance	Isopropyl alcohol, trichloroethane, gasoline, battery acid
Dielectric withstand	2500V
Insulation resistance	10 megaohms
Voltage rating	600 Volt max
Physical properties	Tensile strength exceeds strength of spliced wire

### Product Installation Process

- 1 Select appropriate size crimp to suit application. For terminal and disconnect terminations, strip wire insulation to expose 6.5mm conductor.
- 2 Securely crimp using AD-1522 crimp tool for pre-insulated crimps.
- 3 Heat terminal or disconnect with appropriate heat gun and reflector until tubing recovers and adhesive flows. Avoid heating ring or fork metallic parts.



### Notes:

- The correct crimp tool AD-1522, must be used for proper installation of these devices.
- Heat guns are recommended for the installation of these devices: HL2010E and CV198X with the correct reflector. See Application Equipment Section.



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### IMPORTANT Ordering Information:

The B-106 Series devices are available in both 'Boxed' and 'Bulk' packaging

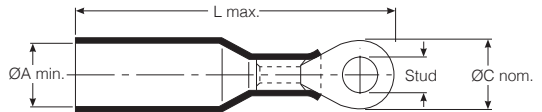
- **BOXED** - Boxed packs of 100 pieces for Blue and Red devices are available by adding **CS100** to the end of the part number. Whilst boxed packs of 50 pieces for the Yellow size are available by adding **CS50** to the end of the part number eg.

**B-106-1601-CS100**

**B-106-1403-CS50**

- **BULK** - The part numbers on the following pages refer to devices supplied in bulk packs of 1,000 pieces for the Blue & Red sizes and 500 pieces for Yellow sizes.

### Ring Terminals - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Insulation		Stud	Ø 'A' mm	'C' mm	'L' mm
B-106-1401	Red	22-18	3.81	1.40	M4	3.81	7.88	32.0
B-106-1501		22-18	3.81	1.40	M5	3.81	9.91	34.0
B-106-1601		22-18	3.81	1.40	M6	3.81	11.94	36.1
B-106-1801		22-18	3.81	1.40	M8	3.81	13.97	39.0
B-106-1991		22-18	3.81	1.40	M10	3.81	17.78	43.2
B-106-1402	Blue	16-14	4.45	2.00	M4	4.57	7.88	33.0
B-106-1502		16-14	4.45	2.00	M5	4.57	9.91	35.1
B-106-1602		16-14	4.45	2.00	M6	4.57	11.94	36.1
B-106-1802		16-14	4.45	2.00	M8	4.57	13.97	40.1
B-106-1992		16-14	4.45	2.00	M10	4.57	17.78	43.9
B-106-1403	Yellow	12-10	6.35	2.79	M4	6.35	7.88	38.1
B-106-1503		12-10	6.35	2.79	M5	6.35	9.91	40.1
B-106-1603		12-10	6.35	2.79	M6	6.35	11.94	41.2
B-106-1803		12-10	6.35	2.79	M8	6.35	13.97	45.2
B-106-1993		12-10	6.35	2.79	M10	6.35	17.78	47.0

All dimensions in millimetres unless otherwise stated.

# Interconnect and Termination Devices

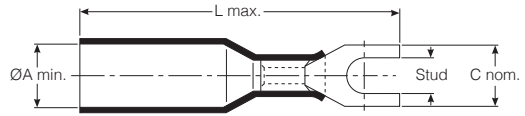
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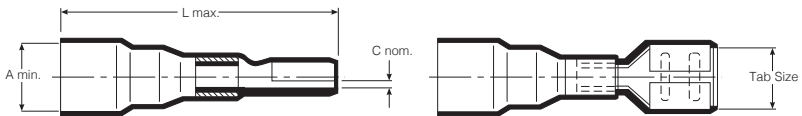
### Fork Terminals - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Max Ø	Min Ø	Stud	Ø 'A' mm	'C' mm	'L' mm
B-106-2401	Red	22-18	3.81	1.40	M4	3.81	7.87	32.0
B-106-2402	Blue	16-14	4.45	2.00	M4	4.57	7.87	35.0
B-106-2403	Yellow	12-10	6.35	2.79	M4	6.35	7.87	38.1
B-106-2502	Blue	16-14	4.45	2.00	M5	4.57	9.91	35.0
B-106-2503	Yellow	12-10	6.35	2.79	M5	6.35	9.91	40.2

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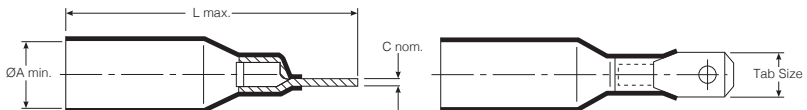
### 6 Push-on Terminals - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Max Ø	Min Ø	Tab Size	Ø 'A' mm	'C' mm	'L' mm
B-106-3631	Red	22-18	3.81	1.40	6.35	3.81	0.81	30.5
B-106-3632	Blue	16-14	4.45	2.00	6.35	4.57	0.81	32.0
B-106-3633	Yellow	12-10	6.35	2.79	6.35	6.35	0.81	33.0
B-106-3281	Red	22-18	3.81	1.40	2.79	3.81	0.51	22.9
B-106-3481	Red	22-18	3.81	1.40	4.75	3.81	0.51	30.5

All dimensions in millimetres unless otherwise stated.

### Tab Terminals - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Max Ø	Min Ø	Tab Size	Ø 'A' mm	'C' mm	'L' mm
B-106-4631	Red	22-18	3.81	1.40	6.35	3.81	0.81	30.5
B-106-4632	Blue	16-14	4.45	2.00	6.35	4.57	0.81	32.0

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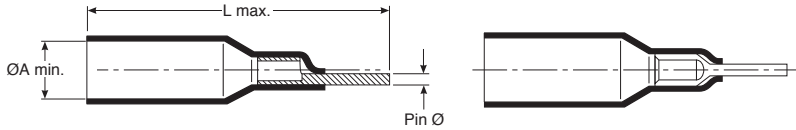


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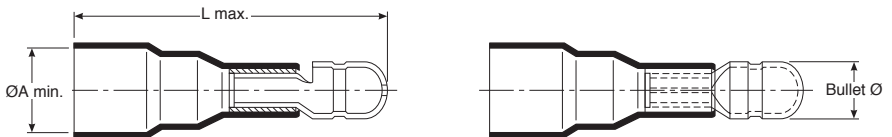
### Pin Terminals - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Max Ø	Min Ø	Pin Ø	Ø 'A' mm	-	'L' mm
B-106-6201	Red	22-18	3.81	1.40	2.00	3.81	-	31.0

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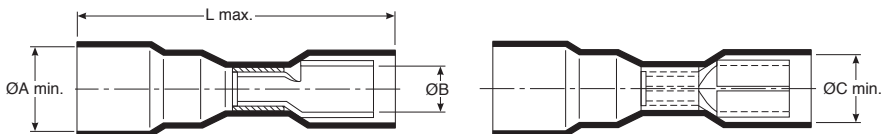
### Bullet Terminals (Male) - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Max Ø	Min Ø	Bullet	Ø 'A' mm	-	'L' mm
B-106-7401	Red	22-18	3.81	1.40	3.81	3.81	-	33.5
B-106-7502	Blue	16-14	4.45	2.00	5.08	4.57	-	34.5

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### Bullet Terminals (Female) - Selection Guide



Part Number	Colour	Wire Dimensions			Terminal Dimensions			
		AWG	Max Ø	Min Ø	Bullet	Ø 'A' mm	'C' mm	'L' mm
B-106-8401	Red	22-18	3.81	1.40	3.81	3.81	5.59	30.5
B-106-8502	Blue	16-14	4.45	2.00	5.08	4.57	6.10	32.5

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